



ANALYTICAL REPORT

AMENDED REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062

Monday, August 16, 2021

Delaney Peterson
Anchor QEA, LLC
6720 SW Macadam Ave. Suite 125
Portland, OR 97219

RE: A0K0167 - US Moorings -- C2, C3, C4 - [none]

Thank you for using Apex Laboratories. We greatly appreciate your business and strive to provide the highest quality services to the environmental industry.

Enclosed are the results of analyses for work order A0K0167, which was received by the laboratory on 11/4/2020 at 10:15:00AM.

If you have any questions concerning this report or the services we offer, please feel free to contact me by email at: dthomas@apex-labs.com, or by phone at 503-718-2323.

Please note: All samples will be disposed of within 30 days of sample receipt, unless prior arrangements have been made.

Cooler Receipt Information

(See Cooler Receipt Form for details)

Cooler #1	1.4 degC	Cooler #2	1.3 degC
Cooler #3	0.7 degC	Cooler #4	0.6 degC

This Final Report is the official version of the data results for this sample submission, unless superseded by a subsequent, labeled amended report.

All other deliverables derived from this data, including Electronic Data Deliverables (EDDs), CLP-like forms, client requested summary sheets, and all other products are considered secondary to this report.



Apex Laboratories

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Darwin Thomas, Business Development Director



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503-718-2323
ORELAP ID: OR100062

Anchor QEA, LLC 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: US Moorings -- C2, C3, C4 Project Number: [none] Project Manager: Delaney Peterson	Report ID: A0K0167 - 08 16 21 1242
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ANALYTICAL REPORT FOR SAMPLES

SAMPLE INFORMATION

Client Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
USMPDI-038SC-A-11-12-201103	A0K0167-01	SE	11/03/20 09:40	11/04/20 10:15
USMPDI-038SC-A-12-13-201103	A0K0167-02	SE	11/03/20 09:40	11/04/20 10:15
USMPDI-038SC-A-13-14-201103	A0K0167-03	SE	11/03/20 09:40	11/04/20 10:15
USMPDI-038SC-A-14-15-201103	A0K0167-04	SE	11/03/20 09:40	11/04/20 10:15
SC-TB-2011030952	A0K0167-05	WQ	11/03/20 09:52	11/04/20 10:15
USMPDI-038SC-B-00-02-201103	A0K0167-06	SE	11/03/20 09:15	11/04/20 10:15
USMPDI-038SC-B-02-04-201103	A0K0167-07	SE	11/03/20 09:15	11/04/20 10:15
USMPDI-038SC-B-04-06-201103	A0K0167-08	SE	11/03/20 09:15	11/04/20 10:15
USMPDI-038SC-B-06-08-201103	A0K0167-09	SE	11/03/20 09:15	11/04/20 10:15
USMPDI-038SC-B-08-10-201103	A0K0167-10	SE	11/03/20 09:15	11/04/20 10:15
USMPDI-038SC-B-10-12-201103	A0K0167-11	SE	11/03/20 09:15	11/04/20 10:15
USMPDI-038SC-B-12-14-201103	A0K0167-12	SE	11/03/20 09:15	11/04/20 10:15
USMPDI-038SC-B-14-15.3-201103	A0K0167-13	SE	11/03/20 09:15	11/04/20 10:15
USMPDI-040SC-A-05-06-201103	A0K0167-14	SE	11/03/20 16:30	11/04/20 10:15
USMPDI-040SC-A-06-07-201103	A0K0167-15	SE	11/03/20 16:30	11/04/20 10:15
USMPDI-040SC-A-07-08-201103	A0K0167-16	SE	11/03/20 16:30	11/04/20 10:15
USMPDI-040SC-A-08-09-201103	A0K0167-17	SE	11/03/20 16:30	11/04/20 10:15
USMPDI-1040SC-A-08-09-201103	A0K0167-18	SE	11/03/20 16:30	11/04/20 10:15
USMPDI-040SC-B-00-02-201103	A0K0167-19	SE	11/03/20 15:50	11/04/20 10:15
USMPDI-040SC-B-02-04-201103	A0K0167-20	SE	11/03/20 15:50	11/04/20 10:15
USMPDI-040SC-B-04-06-201103	A0K0167-21	SE	11/03/20 15:50	11/04/20 10:15
USMPDI-040SC-B-06-08-201103	A0K0167-22	SE	11/03/20 15:50	11/04/20 10:15
USMPDI-040SC-B-08-10-201103	A0K0167-23	SE	11/03/20 15:50	11/04/20 10:15
USMPDI-040SC-B-10-12-201103	A0K0167-24	SE	11/03/20 15:50	11/04/20 10:15
USMPDI-040SC-B-12-14-201103	A0K0167-25	SE	11/03/20 15:50	11/04/20 10:15
USMPDI-1040SC-B-10-12-201103	A0K0167-26	SE	11/03/20 15:50	11/04/20 10:15
USMPDI-048SC-A-12-13-201103	A0K0167-27	SE	11/03/20 13:30	11/04/20 10:15
USMPDI-048SC-A-13-14-201103	A0K0167-28	SE	11/03/20 13:30	11/04/20 10:15
USMPDI-048SC-A-14-15-201103	A0K0167-29	SE	11/03/20 13:30	11/04/20 10:15
USMPDI-048SC-A-15-16-201103	A0K0167-30	SE	11/03/20 13:30	11/04/20 10:15
USMPDI-048SC-B-00-02-201103	A0K0167-31	SE	11/03/20 12:45	11/04/20 10:15
USMPDI-048SC-B-02-04-201103	A0K0167-32	SE	11/03/20 12:45	11/04/20 10:15
USMPDI-048SC-B-04-06-201103	A0K0167-33	SE	11/03/20 12:45	11/04/20 10:15

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Darwin Thomas, Business Development Director



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Anchor QEA, LLC 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: US Moorings -- C2, C3, C4 Project Number: [none] Project Manager: Delaney Peterson	Report ID: A0K0167 - 08 16 21 1242
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ANALYTICAL REPORT FOR SAMPLES

SAMPLE INFORMATION

Client Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
USMPDI-048SC-B-06-08-201103	A0K0167-34	SE	11/03/20 12:45	11/04/20 10:15
USMPDI-048SC-B-08-10-201103	A0K0167-35	SE	11/03/20 12:45	11/04/20 10:15
USMPDI-048SC-B-10-12-201103	A0K0167-36	SE	11/03/20 12:45	11/04/20 10:15
USMPDI-048SC-B-12-14-201103	A0K0167-37	SE	11/03/20 12:45	11/04/20 10:15
USMPDI-048SC-B-14-16-201103	A0K0167-38	SE	11/03/20 12:45	11/04/20 10:15

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ANALYTICAL CASE NARRATIVE

Work Order: A0K0167

Amended Final Report 2: This report supersedes all previous reports

Dry Weight Correction - Sample USMPDI-040SC-B-00-02-201103 (Apex ID: A0K0167-19)

This report has been amended to show the dry weight corrected results for client sample USMPDI-040SC-B-00-02-201103 (Apex ID: A0K0167-19). The original report showed the results for this sample reported on a wet weight basis. All affected results for this sample have been flagged with the AMEND qualifier.

David Jack
Apex Laboratories
August 16, 2021

Amended Final Report: This report supersedes all previous reports.

EPA 8270E -Pentachlorophenol (PCP) Reporting Changes:

The results for Pentachlorophenol (PCP) and its associated surrogate, 2,4,6-Tribromophenol, have been removed from the following samples in accordance with the COC:

- USMPDI-038SC-A-12-13-201103 (Apex ID: A0K0167-02)
- USMPDI-038SC-A-13-14-201103 (Apex ID: A0K0167-03)
- USMPDI-048SC-A-15-16-201103 (Apex ID: A0K0167-30)

David Jack
Apex Laboratories
December 23, 2020

Apex Laboratories

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Darwin Thomas, Business Development Director



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ANALYTICAL SAMPLE RESULTS

Selected Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
SC-TB-2011030952 (A0K0167-05)				Matrix: WQ		Batch: 0110187		
Benzene	ND	0.100	0.200	ug/L	1	11/06/20 09:54	EPA 8260D	
Toluene	ND	0.500	1.00	ug/L	1	11/06/20 09:54	EPA 8260D	
Ethylbenzene	ND	0.250	0.500	ug/L	1	11/06/20 09:54	EPA 8260D	
m,p-Xylene	ND	0.500	1.00	ug/L	1	11/06/20 09:54	EPA 8260D	
o-Xylene	ND	0.250	0.500	ug/L	1	11/06/20 09:54	EPA 8260D	
Chlorobenzene	ND	0.250	0.500	ug/L	1	11/06/20 09:54	EPA 8260D	
1,1-Dichloroethene	ND	0.200	0.400	ug/L	1	11/06/20 09:54	EPA 8260D	
cis-1,2-Dichloroethene	ND	0.200	0.400	ug/L	1	11/06/20 09:54	EPA 8260D	
Tetrachloroethene (PCE)	ND	0.200	0.400	ug/L	1	11/06/20 09:54	EPA 8260D	
Trichloroethene (TCE)	ND	0.200	0.400	ug/L	1	11/06/20 09:54	EPA 8260D	
Vinyl chloride	ND	0.200	0.400	ug/L	1	11/06/20 09:54	EPA 8260D	
<i>Surrogate: 1,4-Difluorobenzene (Surr)</i>		<i>Recovery: 107 %</i>		<i>Limits: 80-120 %</i>		<i>1</i>	<i>11/06/20 09:54</i>	<i>EPA 8260D</i>
<i>Toluene-d8 (Surr)</i>		<i>102 %</i>		<i>80-120 %</i>		<i>1</i>	<i>11/06/20 09:54</i>	<i>EPA 8260D</i>
<i>4-Bromofluorobenzene (Surr)</i>		<i>101 %</i>		<i>80-120 %</i>		<i>1</i>	<i>11/06/20 09:54</i>	<i>EPA 8260D</i>

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ANALYTICAL SAMPLE RESULTS

Selected Volatile Organic Compounds by EPA 5035A/8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
USMPDI-038SC-B-00-02-201103 (A0K0167-06RE1)				Matrix: SE		Batch: 0110296		
Benzene	ND	19.5	38.9	ug/kg dry	50	11/09/20 17:37	5035A/8260D	
Toluene	ND	97.4	195	ug/kg dry	50	11/09/20 17:37	5035A/8260D	
Ethylbenzene	ND	48.7	97.4	ug/kg dry	50	11/09/20 17:37	5035A/8260D	
m,p-Xylene	ND	97.4	195	ug/kg dry	50	11/09/20 17:37	5035A/8260D	
o-Xylene	ND	48.7	97.4	ug/kg dry	50	11/09/20 17:37	5035A/8260D	
Chlorobenzene	ND	48.7	97.4	ug/kg dry	50	11/09/20 17:37	5035A/8260D	
1,1-Dichloroethene	ND	97.4	97.4	ug/kg dry	50	11/09/20 17:37	5035A/8260D	
cis-1,2-Dichloroethene	ND	48.7	97.4	ug/kg dry	50	11/09/20 17:37	5035A/8260D	
Tetrachloroethene (PCE)	ND	48.7	97.4	ug/kg dry	50	11/09/20 17:37	5035A/8260D	
Trichloroethene (TCE)	ND	48.7	97.4	ug/kg dry	50	11/09/20 17:37	5035A/8260D	
Vinyl chloride	ND	97.4	97.4	ug/kg dry	50	11/09/20 17:37	5035A/8260D	
<i>Surrogate: 1,4-Difluorobenzene (Surr)</i>		<i>Recovery: 92 %</i>		<i>Limits: 80-120 %</i>	<i>1</i>	<i>11/09/20 17:37</i>	<i>5035A/8260D</i>	
<i>Toluene-d8 (Surr)</i>		<i>99 %</i>		<i>80-120 %</i>	<i>1</i>	<i>11/09/20 17:37</i>	<i>5035A/8260D</i>	
<i>4-Bromofluorobenzene (Surr)</i>		<i>100 %</i>		<i>79-120 %</i>	<i>1</i>	<i>11/09/20 17:37</i>	<i>5035A/8260D</i>	

USMPDI-038SC-B-02-04-201103 (A0K0167-07RE1)				Matrix: SE		Batch: 0110296		
Benzene	ND	25.4	50.8	ug/kg dry	50	11/09/20 18:04	5035A/8260D	
Toluene	ND	127	254	ug/kg dry	50	11/09/20 18:04	5035A/8260D	
Ethylbenzene	ND	63.5	127	ug/kg dry	50	11/09/20 18:04	5035A/8260D	
m,p-Xylene	ND	127	254	ug/kg dry	50	11/09/20 18:04	5035A/8260D	
o-Xylene	ND	63.5	127	ug/kg dry	50	11/09/20 18:04	5035A/8260D	
Chlorobenzene	ND	63.5	127	ug/kg dry	50	11/09/20 18:04	5035A/8260D	
1,1-Dichloroethene	ND	127	127	ug/kg dry	50	11/09/20 18:04	5035A/8260D	
cis-1,2-Dichloroethene	ND	63.5	127	ug/kg dry	50	11/09/20 18:04	5035A/8260D	
Tetrachloroethene (PCE)	ND	63.5	127	ug/kg dry	50	11/09/20 18:04	5035A/8260D	
Trichloroethene (TCE)	ND	63.5	127	ug/kg dry	50	11/09/20 18:04	5035A/8260D	
Vinyl chloride	ND	127	127	ug/kg dry	50	11/09/20 18:04	5035A/8260D	
<i>Surrogate: 1,4-Difluorobenzene (Surr)</i>		<i>Recovery: 91 %</i>		<i>Limits: 80-120 %</i>	<i>1</i>	<i>11/09/20 18:04</i>	<i>5035A/8260D</i>	
<i>Toluene-d8 (Surr)</i>		<i>99 %</i>		<i>80-120 %</i>	<i>1</i>	<i>11/09/20 18:04</i>	<i>5035A/8260D</i>	
<i>4-Bromofluorobenzene (Surr)</i>		<i>101 %</i>		<i>79-120 %</i>	<i>1</i>	<i>11/09/20 18:04</i>	<i>5035A/8260D</i>	

USMPDI-038SC-B-04-06-201103 (A0K0167-08RE1)				Matrix: SE		Batch: 0110296		
Benzene	ND	12.7	25.4	ug/kg dry	50	11/09/20 18:31	5035A/8260D	
Toluene	ND	63.6	127	ug/kg dry	50	11/09/20 18:31	5035A/8260D	

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ANALYTICAL SAMPLE RESULTS

Selected Volatile Organic Compounds by EPA 5035A/8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
USMPDI-038SC-B-04-06-201103 (A0K0167-08RE1)				Matrix: SE		Batch: 0110296		
Ethylbenzene	ND	31.8	63.6	ug/kg dry	50	11/09/20 18:31	5035A/8260D	
m,p-Xylene	ND	63.6	127	ug/kg dry	50	11/09/20 18:31	5035A/8260D	
o-Xylene	ND	31.8	63.6	ug/kg dry	50	11/09/20 18:31	5035A/8260D	
Chlorobenzene	ND	31.8	63.6	ug/kg dry	50	11/09/20 18:31	5035A/8260D	
1,1-Dichloroethene	ND	63.6	63.6	ug/kg dry	50	11/09/20 18:31	5035A/8260D	
cis-1,2-Dichloroethene	ND	31.8	63.6	ug/kg dry	50	11/09/20 18:31	5035A/8260D	
Tetrachloroethene (PCE)	ND	31.8	63.6	ug/kg dry	50	11/09/20 18:31	5035A/8260D	
Trichloroethene (TCE)	ND	31.8	63.6	ug/kg dry	50	11/09/20 18:31	5035A/8260D	
Vinyl chloride	ND	63.6	63.6	ug/kg dry	50	11/09/20 18:31	5035A/8260D	
<i>Surrogate: 1,4-Difluorobenzene (Surr)</i>		<i>Recovery: 91 %</i>		<i>Limits: 80-120 %</i>	<i>1</i>	<i>11/09/20 18:31</i>	<i>5035A/8260D</i>	
<i>Toluene-d8 (Surr)</i>		<i>99 %</i>		<i>80-120 %</i>	<i>1</i>	<i>11/09/20 18:31</i>	<i>5035A/8260D</i>	
<i>4-Bromofluorobenzene (Surr)</i>		<i>99 %</i>		<i>79-120 %</i>	<i>1</i>	<i>11/09/20 18:31</i>	<i>5035A/8260D</i>	

USMPDI-038SC-B-06-08-201103 (A0K0167-09RE1)				Matrix: SE		Batch: 0110296		
Benzene	ND	14.2	28.3	ug/kg dry	50	11/09/20 18:58	5035A/8260D	
Toluene	73.6	70.8	142	ug/kg dry	50	11/09/20 18:58	5035A/8260D	J
Ethylbenzene	ND	35.4	70.8	ug/kg dry	50	11/09/20 18:58	5035A/8260D	
m,p-Xylene	ND	70.8	142	ug/kg dry	50	11/09/20 18:58	5035A/8260D	
o-Xylene	ND	35.4	70.8	ug/kg dry	50	11/09/20 18:58	5035A/8260D	
Chlorobenzene	ND	35.4	70.8	ug/kg dry	50	11/09/20 18:58	5035A/8260D	
1,1-Dichloroethene	ND	70.8	70.8	ug/kg dry	50	11/09/20 18:58	5035A/8260D	
cis-1,2-Dichloroethene	ND	35.4	70.8	ug/kg dry	50	11/09/20 18:58	5035A/8260D	
Tetrachloroethene (PCE)	ND	35.4	70.8	ug/kg dry	50	11/09/20 18:58	5035A/8260D	
Trichloroethene (TCE)	ND	35.4	70.8	ug/kg dry	50	11/09/20 18:58	5035A/8260D	
Vinyl chloride	ND	70.8	70.8	ug/kg dry	50	11/09/20 18:58	5035A/8260D	
<i>Surrogate: 1,4-Difluorobenzene (Surr)</i>		<i>Recovery: 91 %</i>		<i>Limits: 80-120 %</i>	<i>1</i>	<i>11/09/20 18:58</i>	<i>5035A/8260D</i>	
<i>Toluene-d8 (Surr)</i>		<i>98 %</i>		<i>80-120 %</i>	<i>1</i>	<i>11/09/20 18:58</i>	<i>5035A/8260D</i>	
<i>4-Bromofluorobenzene (Surr)</i>		<i>99 %</i>		<i>79-120 %</i>	<i>1</i>	<i>11/09/20 18:58</i>	<i>5035A/8260D</i>	

USMPDI-038SC-B-08-10-201103 (A0K0167-10RE1)				Matrix: SE		Batch: 0110296		
Benzene	ND	11.7	23.5	ug/kg dry	50	11/09/20 19:26	5035A/8260D	
Toluene	78.8	58.6	117	ug/kg dry	50	11/09/20 19:26	5035A/8260D	J
Ethylbenzene	ND	29.3	58.6	ug/kg dry	50	11/09/20 19:26	5035A/8260D	
m,p-Xylene	ND	58.6	117	ug/kg dry	50	11/09/20 19:26	5035A/8260D	

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ANALYTICAL SAMPLE RESULTS

Selected Volatile Organic Compounds by EPA 5035A/8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
USMPDI-038SC-B-08-10-201103 (A0K0167-10RE1)			Matrix: SE		Batch: 0110296			
o-Xylene	ND	29.3	58.6	ug/kg dry	50	11/09/20 19:26	5035A/8260D	
Chlorobenzene	ND	29.3	58.6	ug/kg dry	50	11/09/20 19:26	5035A/8260D	
1,1-Dichloroethene	ND	58.6	58.6	ug/kg dry	50	11/09/20 19:26	5035A/8260D	
cis-1,2-Dichloroethene	ND	29.3	58.6	ug/kg dry	50	11/09/20 19:26	5035A/8260D	
Tetrachloroethene (PCE)	ND	29.3	58.6	ug/kg dry	50	11/09/20 19:26	5035A/8260D	
Trichloroethene (TCE)	ND	29.3	58.6	ug/kg dry	50	11/09/20 19:26	5035A/8260D	
Vinyl chloride	ND	58.6	58.6	ug/kg dry	50	11/09/20 19:26	5035A/8260D	
<i>Surrogate: 1,4-Difluorobenzene (Surr)</i>		<i>Recovery: 90 %</i>		<i>Limits: 80-120 %</i>		<i>1</i>	<i>11/09/20 19:26</i>	<i>5035A/8260D</i>
<i>Toluene-d8 (Surr)</i>		<i>99 %</i>		<i>80-120 %</i>		<i>1</i>	<i>11/09/20 19:26</i>	<i>5035A/8260D</i>
<i>4-Bromofluorobenzene (Surr)</i>		<i>98 %</i>		<i>79-120 %</i>		<i>1</i>	<i>11/09/20 19:26</i>	<i>5035A/8260D</i>

USMPDI-038SC-B-10-12-201103 (A0K0167-11RE1)			Matrix: SE		Batch: 0110296			
Benzene	ND	12.7	25.5	ug/kg dry	50	11/09/20 19:53	5035A/8260D	
Toluene	ND	63.7	127	ug/kg dry	50	11/09/20 19:53	5035A/8260D	
Ethylbenzene	ND	31.8	63.7	ug/kg dry	50	11/09/20 19:53	5035A/8260D	
m,p-Xylene	ND	63.7	127	ug/kg dry	50	11/09/20 19:53	5035A/8260D	
o-Xylene	ND	31.8	63.7	ug/kg dry	50	11/09/20 19:53	5035A/8260D	
Chlorobenzene	ND	31.8	63.7	ug/kg dry	50	11/09/20 19:53	5035A/8260D	
1,1-Dichloroethene	ND	63.7	63.7	ug/kg dry	50	11/09/20 19:53	5035A/8260D	
cis-1,2-Dichloroethene	ND	31.8	63.7	ug/kg dry	50	11/09/20 19:53	5035A/8260D	
Tetrachloroethene (PCE)	ND	31.8	63.7	ug/kg dry	50	11/09/20 19:53	5035A/8260D	
Trichloroethene (TCE)	ND	31.8	63.7	ug/kg dry	50	11/09/20 19:53	5035A/8260D	
Vinyl chloride	ND	63.7	63.7	ug/kg dry	50	11/09/20 19:53	5035A/8260D	
<i>Surrogate: 1,4-Difluorobenzene (Surr)</i>		<i>Recovery: 89 %</i>		<i>Limits: 80-120 %</i>		<i>1</i>	<i>11/09/20 19:53</i>	<i>5035A/8260D</i>
<i>Toluene-d8 (Surr)</i>		<i>96 %</i>		<i>80-120 %</i>		<i>1</i>	<i>11/09/20 19:53</i>	<i>5035A/8260D</i>
<i>4-Bromofluorobenzene (Surr)</i>		<i>98 %</i>		<i>79-120 %</i>		<i>1</i>	<i>11/09/20 19:53</i>	<i>5035A/8260D</i>

USMPDI-038SC-B-12-14-201103 (A0K0167-12RE1)			Matrix: SE		Batch: 0110296			
Benzene	ND	11.6	23.2	ug/kg dry	50	11/09/20 20:20	5035A/8260D	
Toluene	ND	58.1	116	ug/kg dry	50	11/09/20 20:20	5035A/8260D	
Ethylbenzene	ND	29.0	58.1	ug/kg dry	50	11/09/20 20:20	5035A/8260D	
m,p-Xylene	ND	58.1	116	ug/kg dry	50	11/09/20 20:20	5035A/8260D	
o-Xylene	ND	29.0	58.1	ug/kg dry	50	11/09/20 20:20	5035A/8260D	
Chlorobenzene	ND	29.0	58.1	ug/kg dry	50	11/09/20 20:20	5035A/8260D	

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ANALYTICAL REPORT

AMENDED REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062

Anchor QEA, LLC 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: US Moorings -- C2, C3, C4 Project Number: [none] Project Manager: Delaney Peterson	Report ID: A0K0167 - 08 16 21 1242
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ANALYTICAL SAMPLE RESULTS

Selected Volatile Organic Compounds by EPA 5035A/8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
USMPDI-038SC-B-12-14-201103 (A0K0167-12RE1)				Matrix: SE		Batch: 0110296		
1,1-Dichloroethene	ND	58.1	58.1	ug/kg dry	50	11/09/20 20:20	5035A/8260D	
cis-1,2-Dichloroethene	ND	29.0	58.1	ug/kg dry	50	11/09/20 20:20	5035A/8260D	
Tetrachloroethene (PCE)	ND	29.0	58.1	ug/kg dry	50	11/09/20 20:20	5035A/8260D	
Trichloroethene (TCE)	ND	29.0	58.1	ug/kg dry	50	11/09/20 20:20	5035A/8260D	
Vinyl chloride	ND	58.1	58.1	ug/kg dry	50	11/09/20 20:20	5035A/8260D	
<i>Surrogate: 1,4-Difluorobenzene (Surr)</i>		<i>Recovery: 99 %</i>		<i>Limits: 80-120 %</i>		<i>1</i>	<i>11/09/20 20:20</i>	<i>5035A/8260D</i>
<i>Toluene-d8 (Surr)</i>		<i>97 %</i>		<i>80-120 %</i>		<i>1</i>	<i>11/09/20 20:20</i>	<i>5035A/8260D</i>
<i>4-Bromofluorobenzene (Surr)</i>		<i>100 %</i>		<i>79-120 %</i>		<i>1</i>	<i>11/09/20 20:20</i>	<i>5035A/8260D</i>

USMPDI-038SC-B-14-15.3-201103 (A0K0167-13RE1)				Matrix: SE		Batch: 0110296		
Benzene	ND	11.9	23.9	ug/kg dry	50	11/09/20 20:47	5035A/8260D	
Toluene	95.6	59.7	119	ug/kg dry	50	11/09/20 20:47	5035A/8260D	J
Ethylbenzene	ND	29.8	59.7	ug/kg dry	50	11/09/20 20:47	5035A/8260D	
m,p-Xylene	ND	59.7	119	ug/kg dry	50	11/09/20 20:47	5035A/8260D	
o-Xylene	ND	29.8	59.7	ug/kg dry	50	11/09/20 20:47	5035A/8260D	
Chlorobenzene	ND	29.8	59.7	ug/kg dry	50	11/09/20 20:47	5035A/8260D	
1,1-Dichloroethene	ND	59.7	59.7	ug/kg dry	50	11/09/20 20:47	5035A/8260D	
cis-1,2-Dichloroethene	ND	29.8	59.7	ug/kg dry	50	11/09/20 20:47	5035A/8260D	
Tetrachloroethene (PCE)	ND	29.8	59.7	ug/kg dry	50	11/09/20 20:47	5035A/8260D	
Trichloroethene (TCE)	ND	29.8	59.7	ug/kg dry	50	11/09/20 20:47	5035A/8260D	
Vinyl chloride	ND	59.7	59.7	ug/kg dry	50	11/09/20 20:47	5035A/8260D	
<i>Surrogate: 1,4-Difluorobenzene (Surr)</i>		<i>Recovery: 102 %</i>		<i>Limits: 80-120 %</i>		<i>1</i>	<i>11/09/20 20:47</i>	<i>5035A/8260D</i>
<i>Toluene-d8 (Surr)</i>		<i>97 %</i>		<i>80-120 %</i>		<i>1</i>	<i>11/09/20 20:47</i>	<i>5035A/8260D</i>
<i>4-Bromofluorobenzene (Surr)</i>		<i>99 %</i>		<i>79-120 %</i>		<i>1</i>	<i>11/09/20 20:47</i>	<i>5035A/8260D</i>

USMPDI-040SC-B-00-02-201103 (A0K0167-19RE1)				Matrix: SE		Batch: 0110296		
Benzene	ND	18.2	36.4	ug/kg dry	50	11/09/20 21:14	5035A/8260D	AMEND
Toluene	ND	91.0	182	ug/kg dry	50	11/09/20 21:14	5035A/8260D	AMEND
Ethylbenzene	ND	45.5	91.0	ug/kg dry	50	11/09/20 21:14	5035A/8260D	AMEND
m,p-Xylene	ND	91.0	182	ug/kg dry	50	11/09/20 21:14	5035A/8260D	AMEND
o-Xylene	ND	45.5	91.0	ug/kg dry	50	11/09/20 21:14	5035A/8260D	AMEND
Chlorobenzene	ND	45.5	91.0	ug/kg dry	50	11/09/20 21:14	5035A/8260D	AMEND
1,1-Dichloroethene	ND	91.0	91.0	ug/kg dry	50	11/09/20 21:14	5035A/8260D	AMEND
cis-1,2-Dichloroethene	ND	45.5	91.0	ug/kg dry	50	11/09/20 21:14	5035A/8260D	AMEND

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ANALYTICAL REPORT

AMENDED REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062

Anchor QEA, LLC 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: US Moorings -- C2, C3, C4 Project Number: [none] Project Manager: Delaney Peterson	Report ID: A0K0167 - 08 16 21 1242
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ANALYTICAL SAMPLE RESULTS

Selected Volatile Organic Compounds by EPA 5035A/8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes	
USMPDI-040SC-B-00-02-201103 (A0K0167-19RE1)				Matrix: SE		Batch: 0110296			
Tetrachloroethene (PCE)	ND	45.5	91.0	ug/kg dry	50	11/09/20 21:14	5035A/8260D	AMEND	
Trichloroethene (TCE)	ND	45.5	91.0	ug/kg dry	50	11/09/20 21:14	5035A/8260D	AMEND	
Vinyl chloride	ND	91.0	91.0	ug/kg dry	50	11/09/20 21:14	5035A/8260D	AMEND	
<i>Surrogate: 1,4-Difluorobenzene (Surr)</i>		<i>Recovery: 102 %</i>		<i>Limits: 80-120 %</i>		<i>1</i>	<i>11/09/20 21:14</i>	<i>5035A/8260D</i>	<i>AMEND</i>
<i>Toluene-d8 (Surr)</i>		<i>97 %</i>		<i>80-120 %</i>		<i>1</i>	<i>11/09/20 21:14</i>	<i>5035A/8260D</i>	<i>AMEND</i>
<i>4-Bromofluorobenzene (Surr)</i>		<i>98 %</i>		<i>79-120 %</i>		<i>1</i>	<i>11/09/20 21:14</i>	<i>5035A/8260D</i>	<i>AMEND</i>

USMPDI-040SC-B-02-04-201103 (A0K0167-20RE1)				Matrix: SE		Batch: 0110296			
Benzene	ND	13.4	26.7	ug/kg dry	50	11/09/20 21:41	5035A/8260D		
Toluene	ND	66.8	134	ug/kg dry	50	11/09/20 21:41	5035A/8260D		
Ethylbenzene	ND	33.4	66.8	ug/kg dry	50	11/09/20 21:41	5035A/8260D		
m,p-Xylene	ND	66.8	134	ug/kg dry	50	11/09/20 21:41	5035A/8260D		
o-Xylene	ND	33.4	66.8	ug/kg dry	50	11/09/20 21:41	5035A/8260D		
Chlorobenzene	ND	33.4	66.8	ug/kg dry	50	11/09/20 21:41	5035A/8260D		
1,1-Dichloroethene	ND	66.8	66.8	ug/kg dry	50	11/09/20 21:41	5035A/8260D		
cis-1,2-Dichloroethene	ND	33.4	66.8	ug/kg dry	50	11/09/20 21:41	5035A/8260D		
Tetrachloroethene (PCE)	ND	33.4	66.8	ug/kg dry	50	11/09/20 21:41	5035A/8260D		
Trichloroethene (TCE)	ND	33.4	66.8	ug/kg dry	50	11/09/20 21:41	5035A/8260D		
Vinyl chloride	ND	66.8	66.8	ug/kg dry	50	11/09/20 21:41	5035A/8260D		
<i>Surrogate: 1,4-Difluorobenzene (Surr)</i>		<i>Recovery: 102 %</i>		<i>Limits: 80-120 %</i>		<i>1</i>	<i>11/09/20 21:41</i>	<i>5035A/8260D</i>	
<i>Toluene-d8 (Surr)</i>		<i>97 %</i>		<i>80-120 %</i>		<i>1</i>	<i>11/09/20 21:41</i>	<i>5035A/8260D</i>	
<i>4-Bromofluorobenzene (Surr)</i>		<i>101 %</i>		<i>79-120 %</i>		<i>1</i>	<i>11/09/20 21:41</i>	<i>5035A/8260D</i>	

USMPDI-040SC-B-04-06-201103 (A0K0167-21RE1)				Matrix: SE		Batch: 0110296		
Benzene	ND	10.1	20.2	ug/kg dry	50	11/09/20 22:08	5035A/8260D	
Toluene	ND	50.5	101	ug/kg dry	50	11/09/20 22:08	5035A/8260D	
Ethylbenzene	ND	25.3	50.5	ug/kg dry	50	11/09/20 22:08	5035A/8260D	
m,p-Xylene	ND	50.5	101	ug/kg dry	50	11/09/20 22:08	5035A/8260D	
o-Xylene	ND	25.3	50.5	ug/kg dry	50	11/09/20 22:08	5035A/8260D	
Chlorobenzene	ND	25.3	50.5	ug/kg dry	50	11/09/20 22:08	5035A/8260D	
1,1-Dichloroethene	ND	50.5	50.5	ug/kg dry	50	11/09/20 22:08	5035A/8260D	
cis-1,2-Dichloroethene	ND	25.3	50.5	ug/kg dry	50	11/09/20 22:08	5035A/8260D	
Tetrachloroethene (PCE)	ND	25.3	50.5	ug/kg dry	50	11/09/20 22:08	5035A/8260D	
Trichloroethene (TCE)	ND	25.3	50.5	ug/kg dry	50	11/09/20 22:08	5035A/8260D	

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Darwin Thomas, Business Development Director



ANALYTICAL REPORT

AMENDED REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062

Anchor QEA, LLC 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: US Moorings -- C2, C3, C4 Project Number: [none] Project Manager: Delaney Peterson	Report ID: A0K0167 - 08 16 21 1242
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ANALYTICAL SAMPLE RESULTS

Selected Volatile Organic Compounds by EPA 5035A/8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
USMPDI-040SC-B-04-06-201103 (A0K0167-21RE1)				Matrix: SE		Batch: 0110296		
Vinyl chloride	ND	50.5	50.5	ug/kg dry	50	11/09/20 22:08	5035A/8260D	
<i>Surrogate: 1,4-Difluorobenzene (Surr)</i>		<i>Recovery: 103 %</i>		<i>Limits: 80-120 %</i>		<i>1</i>	<i>11/09/20 22:08</i>	<i>5035A/8260D</i>
<i>Toluene-d8 (Surr)</i>		<i>98 %</i>		<i>80-120 %</i>		<i>1</i>	<i>11/09/20 22:08</i>	<i>5035A/8260D</i>
<i>4-Bromofluorobenzene (Surr)</i>		<i>102 %</i>		<i>79-120 %</i>		<i>1</i>	<i>11/09/20 22:08</i>	<i>5035A/8260D</i>

USMPDI-040SC-B-06-08-201103 (A0K0167-22RE1)				Matrix: SE		Batch: 0110296		
Benzene	ND	9.05	18.1	ug/kg dry	50	11/09/20 22:36	5035A/8260D	
Toluene	ND	45.3	90.5	ug/kg dry	50	11/09/20 22:36	5035A/8260D	
Ethylbenzene	ND	22.6	45.3	ug/kg dry	50	11/09/20 22:36	5035A/8260D	
m,p-Xylene	ND	45.3	90.5	ug/kg dry	50	11/09/20 22:36	5035A/8260D	
o-Xylene	ND	22.6	45.3	ug/kg dry	50	11/09/20 22:36	5035A/8260D	
Chlorobenzene	ND	22.6	45.3	ug/kg dry	50	11/09/20 22:36	5035A/8260D	
1,1-Dichloroethene	ND	45.3	45.3	ug/kg dry	50	11/09/20 22:36	5035A/8260D	
cis-1,2-Dichloroethene	ND	22.6	45.3	ug/kg dry	50	11/09/20 22:36	5035A/8260D	
Tetrachloroethene (PCE)	ND	22.6	45.3	ug/kg dry	50	11/09/20 22:36	5035A/8260D	
Trichloroethene (TCE)	ND	22.6	45.3	ug/kg dry	50	11/09/20 22:36	5035A/8260D	
Vinyl chloride	ND	45.3	45.3	ug/kg dry	50	11/09/20 22:36	5035A/8260D	
<i>Surrogate: 1,4-Difluorobenzene (Surr)</i>		<i>Recovery: 102 %</i>		<i>Limits: 80-120 %</i>		<i>1</i>	<i>11/09/20 22:36</i>	<i>5035A/8260D</i>
<i>Toluene-d8 (Surr)</i>		<i>99 %</i>		<i>80-120 %</i>		<i>1</i>	<i>11/09/20 22:36</i>	<i>5035A/8260D</i>
<i>4-Bromofluorobenzene (Surr)</i>		<i>100 %</i>		<i>79-120 %</i>		<i>1</i>	<i>11/09/20 22:36</i>	<i>5035A/8260D</i>

USMPDI-040SC-B-08-10-201103 (A0K0167-23RE1)				Matrix: SE		Batch: 0110296		
Benzene	9.58	8.26	16.5	ug/kg dry	50	11/09/20 23:03	5035A/8260D	J
Toluene	ND	41.3	82.6	ug/kg dry	50	11/09/20 23:03	5035A/8260D	
Ethylbenzene	ND	20.6	41.3	ug/kg dry	50	11/09/20 23:03	5035A/8260D	
m,p-Xylene	ND	41.3	82.6	ug/kg dry	50	11/09/20 23:03	5035A/8260D	
o-Xylene	ND	20.6	41.3	ug/kg dry	50	11/09/20 23:03	5035A/8260D	
Chlorobenzene	ND	20.6	41.3	ug/kg dry	50	11/09/20 23:03	5035A/8260D	
1,1-Dichloroethene	ND	41.3	41.3	ug/kg dry	50	11/09/20 23:03	5035A/8260D	
cis-1,2-Dichloroethene	ND	20.6	41.3	ug/kg dry	50	11/09/20 23:03	5035A/8260D	
Tetrachloroethene (PCE)	ND	20.6	41.3	ug/kg dry	50	11/09/20 23:03	5035A/8260D	
Trichloroethene (TCE)	ND	20.6	41.3	ug/kg dry	50	11/09/20 23:03	5035A/8260D	
Vinyl chloride	ND	41.3	41.3	ug/kg dry	50	11/09/20 23:03	5035A/8260D	
<i>Surrogate: 1,4-Difluorobenzene (Surr)</i>		<i>Recovery: 103 %</i>		<i>Limits: 80-120 %</i>		<i>1</i>	<i>11/09/20 23:03</i>	<i>5035A/8260D</i>

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Darwin Thomas, Business Development Director



ANALYTICAL REPORT

AMENDED REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street
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503-718-2323
ORELAP ID: OR100062

Anchor QEA, LLC 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: US Moorings -- C2, C3, C4 Project Number: [none] Project Manager: Delaney Peterson	Report ID: A0K0167 - 08 16 21 1242
--------------------------------------------------------------------------------	-----------------------------------------------------------------------------------------------------------------	-----------------------------------------------------

ANALYTICAL SAMPLE RESULTS

Selected Volatile Organic Compounds by EPA 5035A/8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes	
USMPDI-040SC-B-08-10-201103 (A0K0167-23RE1)			Matrix: SE		Batch: 0110296				
<i>Surrogate: Toluene-d8 (Surr)</i>		<i>Recovery: 99 %</i>		<i>Limits: 80-120 %</i>		<i>1</i>		<i>11/09/20 23:03</i>	<i>5035A/8260D</i>
<i>4-Bromofluorobenzene (Surr)</i>		<i>100 %</i>		<i>79-120 %</i>		<i>1</i>		<i>11/09/20 23:03</i>	<i>5035A/8260D</i>

USMPDI-040SC-B-10-12-201103 (A0K0167-24RE1)			Matrix: SE		Batch: 0110296				
Benzene	ND	7.96	15.9	ug/kg dry	50	11/09/20 23:30	5035A/8260D		
Toluene	ND	39.8	79.6	ug/kg dry	50	11/09/20 23:30	5035A/8260D		
Ethylbenzene	ND	19.9	39.8	ug/kg dry	50	11/09/20 23:30	5035A/8260D		
m,p-Xylene	ND	39.8	79.6	ug/kg dry	50	11/09/20 23:30	5035A/8260D		
o-Xylene	ND	19.9	39.8	ug/kg dry	50	11/09/20 23:30	5035A/8260D		
Chlorobenzene	ND	19.9	39.8	ug/kg dry	50	11/09/20 23:30	5035A/8260D		
1,1-Dichloroethene	ND	39.8	39.8	ug/kg dry	50	11/09/20 23:30	5035A/8260D		
cis-1,2-Dichloroethene	ND	19.9	39.8	ug/kg dry	50	11/09/20 23:30	5035A/8260D		
Tetrachloroethene (PCE)	ND	19.9	39.8	ug/kg dry	50	11/09/20 23:30	5035A/8260D		
Trichloroethene (TCE)	ND	19.9	39.8	ug/kg dry	50	11/09/20 23:30	5035A/8260D		
Vinyl chloride	ND	39.8	39.8	ug/kg dry	50	11/09/20 23:30	5035A/8260D		
<i>Surrogate: 1,4-Difluorobenzene (Surr)</i>		<i>Recovery: 103 %</i>		<i>Limits: 80-120 %</i>		<i>1</i>		<i>11/09/20 23:30</i>	<i>5035A/8260D</i>
<i>Toluene-d8 (Surr)</i>		<i>99 %</i>		<i>80-120 %</i>		<i>1</i>		<i>11/09/20 23:30</i>	<i>5035A/8260D</i>
<i>4-Bromofluorobenzene (Surr)</i>		<i>100 %</i>		<i>79-120 %</i>		<i>1</i>		<i>11/09/20 23:30</i>	<i>5035A/8260D</i>

USMPDI-040SC-B-12-14-201103 (A0K0167-25RE1)			Matrix: SE		Batch: 0110296				
Benzene	ND	7.19	14.4	ug/kg dry	50	11/09/20 23:57	5035A/8260D		
Toluene	ND	35.9	71.9	ug/kg dry	50	11/09/20 23:57	5035A/8260D		
Ethylbenzene	ND	18.0	35.9	ug/kg dry	50	11/09/20 23:57	5035A/8260D		
m,p-Xylene	ND	35.9	71.9	ug/kg dry	50	11/09/20 23:57	5035A/8260D		
o-Xylene	ND	18.0	35.9	ug/kg dry	50	11/09/20 23:57	5035A/8260D		
Chlorobenzene	ND	18.0	35.9	ug/kg dry	50	11/09/20 23:57	5035A/8260D		
1,1-Dichloroethene	ND	35.9	35.9	ug/kg dry	50	11/09/20 23:57	5035A/8260D		
cis-1,2-Dichloroethene	ND	18.0	35.9	ug/kg dry	50	11/09/20 23:57	5035A/8260D		
Tetrachloroethene (PCE)	ND	18.0	35.9	ug/kg dry	50	11/09/20 23:57	5035A/8260D		
Trichloroethene (TCE)	ND	18.0	35.9	ug/kg dry	50	11/09/20 23:57	5035A/8260D		
Vinyl chloride	ND	35.9	35.9	ug/kg dry	50	11/09/20 23:57	5035A/8260D		
<i>Surrogate: 1,4-Difluorobenzene (Surr)</i>		<i>Recovery: 102 %</i>		<i>Limits: 80-120 %</i>		<i>1</i>		<i>11/09/20 23:57</i>	<i>5035A/8260D</i>
<i>Toluene-d8 (Surr)</i>		<i>99 %</i>		<i>80-120 %</i>		<i>1</i>		<i>11/09/20 23:57</i>	<i>5035A/8260D</i>
<i>4-Bromofluorobenzene (Surr)</i>		<i>100 %</i>		<i>79-120 %</i>		<i>1</i>		<i>11/09/20 23:57</i>	<i>5035A/8260D</i>

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Darwin Thomas, Business Development Director



ANALYTICAL REPORT

AMENDED REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062

Anchor QEA, LLC 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: US Moorings -- C2, C3, C4 Project Number: [none] Project Manager: Delaney Peterson	Report ID: A0K0167 - 08 16 21 1242
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ANALYTICAL SAMPLE RESULTS

Selected Volatile Organic Compounds by EPA 5035A/8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
USMPDI-1040SC-B-10-12-201103 (A0K0167-26)			Matrix: SE		Batch: 0110338			
Benzene	ND	8.17	16.3	ug/kg dry	50	11/10/20 17:13	5035A/8260D	
Toluene	ND	40.8	81.7	ug/kg dry	50	11/10/20 17:13	5035A/8260D	
Ethylbenzene	ND	20.4	40.8	ug/kg dry	50	11/10/20 17:13	5035A/8260D	
m,p-Xylene	ND	40.8	81.7	ug/kg dry	50	11/10/20 17:13	5035A/8260D	
o-Xylene	ND	20.4	40.8	ug/kg dry	50	11/10/20 17:13	5035A/8260D	
Chlorobenzene	ND	20.4	40.8	ug/kg dry	50	11/10/20 17:13	5035A/8260D	
1,1-Dichloroethene	ND	20.4	40.8	ug/kg dry	50	11/10/20 17:13	5035A/8260D	
cis-1,2-Dichloroethene	ND	20.4	40.8	ug/kg dry	50	11/10/20 17:13	5035A/8260D	
Tetrachloroethene (PCE)	ND	20.4	40.8	ug/kg dry	50	11/10/20 17:13	5035A/8260D	
Trichloroethene (TCE)	ND	20.4	40.8	ug/kg dry	50	11/10/20 17:13	5035A/8260D	
Vinyl chloride	ND	40.8	40.8	ug/kg dry	50	11/10/20 17:13	5035A/8260D	
<i>Surrogate: 1,4-Difluorobenzene (Surr)</i>		<i>Recovery: 93 %</i>		<i>Limits: 80-120 %</i>	<i>1</i>	<i>11/10/20 17:13</i>	<i>5035A/8260D</i>	
<i>Toluene-d8 (Surr)</i>		<i>99 %</i>		<i>80-120 %</i>	<i>1</i>	<i>11/10/20 17:13</i>	<i>5035A/8260D</i>	
<i>4-Bromofluorobenzene (Surr)</i>		<i>99 %</i>		<i>79-120 %</i>	<i>1</i>	<i>11/10/20 17:13</i>	<i>5035A/8260D</i>	
USMPDI-048SC-B-00-02-201103 (A0K0167-31)			Matrix: SE		Batch: 0110338			
Benzene	ND	19.9	39.7	ug/kg dry	50	11/10/20 17:40	5035A/8260D	
Toluene	121	99.3	199	ug/kg dry	50	11/10/20 17:40	5035A/8260D	J
Ethylbenzene	ND	49.6	99.3	ug/kg dry	50	11/10/20 17:40	5035A/8260D	
m,p-Xylene	ND	99.3	199	ug/kg dry	50	11/10/20 17:40	5035A/8260D	
o-Xylene	ND	49.6	99.3	ug/kg dry	50	11/10/20 17:40	5035A/8260D	
Chlorobenzene	ND	49.6	99.3	ug/kg dry	50	11/10/20 17:40	5035A/8260D	
1,1-Dichloroethene	ND	49.6	99.3	ug/kg dry	50	11/10/20 17:40	5035A/8260D	
cis-1,2-Dichloroethene	ND	49.6	99.3	ug/kg dry	50	11/10/20 17:40	5035A/8260D	
Tetrachloroethene (PCE)	ND	49.6	99.3	ug/kg dry	50	11/10/20 17:40	5035A/8260D	
Trichloroethene (TCE)	ND	49.6	99.3	ug/kg dry	50	11/10/20 17:40	5035A/8260D	
Vinyl chloride	ND	99.3	99.3	ug/kg dry	50	11/10/20 17:40	5035A/8260D	
<i>Surrogate: 1,4-Difluorobenzene (Surr)</i>		<i>Recovery: 91 %</i>		<i>Limits: 80-120 %</i>	<i>1</i>	<i>11/10/20 17:40</i>	<i>5035A/8260D</i>	
<i>Toluene-d8 (Surr)</i>		<i>97 %</i>		<i>80-120 %</i>	<i>1</i>	<i>11/10/20 17:40</i>	<i>5035A/8260D</i>	
<i>4-Bromofluorobenzene (Surr)</i>		<i>97 %</i>		<i>79-120 %</i>	<i>1</i>	<i>11/10/20 17:40</i>	<i>5035A/8260D</i>	
USMPDI-048SC-B-02-04-201103 (A0K0167-32)			Matrix: SE		Batch: 0110338			
Benzene	ND	15.4	30.7	ug/kg dry	50	11/10/20 20:51	5035A/8260D	
Toluene	ND	76.8	154	ug/kg dry	50	11/10/20 20:51	5035A/8260D	

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ANALYTICAL REPORT

AMENDED REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062

Anchor QEA, LLC 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: US Moorings -- C2, C3, C4 Project Number: [none] Project Manager: Delaney Peterson	Report ID: A0K0167 - 08 16 21 1242
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ANALYTICAL SAMPLE RESULTS

Selected Volatile Organic Compounds by EPA 5035A/8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
USMPDI-048SC-B-02-04-201103 (A0K0167-32)			Matrix: SE		Batch: 0110338			
Ethylbenzene	ND	38.4	76.8	ug/kg dry	50	11/10/20 20:51	5035A/8260D	
m,p-Xylene	ND	76.8	154	ug/kg dry	50	11/10/20 20:51	5035A/8260D	
o-Xylene	ND	38.4	76.8	ug/kg dry	50	11/10/20 20:51	5035A/8260D	
Chlorobenzene	ND	38.4	76.8	ug/kg dry	50	11/10/20 20:51	5035A/8260D	
1,1-Dichloroethene	ND	38.4	76.8	ug/kg dry	50	11/10/20 20:51	5035A/8260D	
cis-1,2-Dichloroethene	ND	38.4	76.8	ug/kg dry	50	11/10/20 20:51	5035A/8260D	
Tetrachloroethene (PCE)	ND	38.4	76.8	ug/kg dry	50	11/10/20 20:51	5035A/8260D	
Trichloroethene (TCE)	ND	38.4	76.8	ug/kg dry	50	11/10/20 20:51	5035A/8260D	
Vinyl chloride	ND	76.8	76.8	ug/kg dry	50	11/10/20 20:51	5035A/8260D	
<i>Surrogate: 1,4-Difluorobenzene (Surr)</i>		<i>Recovery: 90 %</i>		<i>Limits: 80-120 %</i>	<i>1</i>	<i>11/10/20 20:51</i>	<i>5035A/8260D</i>	
<i>Toluene-d8 (Surr)</i>		<i>98 %</i>		<i>80-120 %</i>	<i>1</i>	<i>11/10/20 20:51</i>	<i>5035A/8260D</i>	
<i>4-Bromofluorobenzene (Surr)</i>		<i>96 %</i>		<i>79-120 %</i>	<i>1</i>	<i>11/10/20 20:51</i>	<i>5035A/8260D</i>	

USMPDI-048SC-B-04-06-201103 (A0K0167-33)			Matrix: SE		Batch: 0110338			
Benzene	ND	12.9	25.7	ug/kg dry	50	11/10/20 18:08	5035A/8260D	
Toluene	ND	64.3	129	ug/kg dry	50	11/10/20 18:08	5035A/8260D	
Ethylbenzene	ND	32.2	64.3	ug/kg dry	50	11/10/20 18:08	5035A/8260D	
m,p-Xylene	ND	64.3	129	ug/kg dry	50	11/10/20 18:08	5035A/8260D	
o-Xylene	ND	32.2	64.3	ug/kg dry	50	11/10/20 18:08	5035A/8260D	
Chlorobenzene	ND	32.2	64.3	ug/kg dry	50	11/10/20 18:08	5035A/8260D	
1,1-Dichloroethene	ND	32.2	64.3	ug/kg dry	50	11/10/20 18:08	5035A/8260D	
cis-1,2-Dichloroethene	ND	32.2	64.3	ug/kg dry	50	11/10/20 18:08	5035A/8260D	
Tetrachloroethene (PCE)	ND	32.2	64.3	ug/kg dry	50	11/10/20 18:08	5035A/8260D	
Trichloroethene (TCE)	ND	32.2	64.3	ug/kg dry	50	11/10/20 18:08	5035A/8260D	
Vinyl chloride	ND	64.3	64.3	ug/kg dry	50	11/10/20 18:08	5035A/8260D	
<i>Surrogate: 1,4-Difluorobenzene (Surr)</i>		<i>Recovery: 93 %</i>		<i>Limits: 80-120 %</i>	<i>1</i>	<i>11/10/20 18:08</i>	<i>5035A/8260D</i>	
<i>Toluene-d8 (Surr)</i>		<i>98 %</i>		<i>80-120 %</i>	<i>1</i>	<i>11/10/20 18:08</i>	<i>5035A/8260D</i>	
<i>4-Bromofluorobenzene (Surr)</i>		<i>97 %</i>		<i>79-120 %</i>	<i>1</i>	<i>11/10/20 18:08</i>	<i>5035A/8260D</i>	

USMPDI-048SC-B-06-08-201103 (A0K0167-34RE1)			Matrix: SE		Batch: 0110409			
Benzene	ND	13.4	26.7	ug/kg dry	50	11/11/20 17:31	5035A/8260D	
Toluene	ND	66.8	134	ug/kg dry	50	11/11/20 17:31	5035A/8260D	
Ethylbenzene	ND	33.4	66.8	ug/kg dry	50	11/11/20 17:31	5035A/8260D	
m,p-Xylene	ND	66.8	134	ug/kg dry	50	11/11/20 17:31	5035A/8260D	

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ANALYTICAL REPORT

AMENDED REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062

Anchor QEA, LLC 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: US Moorings -- C2, C3, C4 Project Number: [none] Project Manager: Delaney Peterson	Report ID: A0K0167 - 08 16 21 1242
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ANALYTICAL SAMPLE RESULTS

Selected Volatile Organic Compounds by EPA 5035A/8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
USMPDI-048SC-B-06-08-201103 (A0K0167-34RE1)			Matrix: SE		Batch: 0110409			
o-Xylene	ND	33.4	66.8	ug/kg dry	50	11/11/20 17:31	5035A/8260D	
Chlorobenzene	ND	33.4	66.8	ug/kg dry	50	11/11/20 17:31	5035A/8260D	
1,1-Dichloroethene	ND	66.8	66.8	ug/kg dry	50	11/11/20 17:31	5035A/8260D	
cis-1,2-Dichloroethene	ND	33.4	66.8	ug/kg dry	50	11/11/20 17:31	5035A/8260D	
Tetrachloroethene (PCE)	ND	33.4	66.8	ug/kg dry	50	11/11/20 17:31	5035A/8260D	
Trichloroethene (TCE)	ND	33.4	66.8	ug/kg dry	50	11/11/20 17:31	5035A/8260D	
Vinyl chloride	ND	66.8	66.8	ug/kg dry	50	11/11/20 17:31	5035A/8260D	
<i>Surrogate: 1,4-Difluorobenzene (Surr)</i>		<i>Recovery: 90 %</i>		<i>Limits: 80-120 %</i>	<i>1</i>	<i>11/11/20 17:31</i>	<i>5035A/8260D</i>	
<i>Toluene-d8 (Surr)</i>		<i>96 %</i>		<i>80-120 %</i>	<i>1</i>	<i>11/11/20 17:31</i>	<i>5035A/8260D</i>	
<i>4-Bromofluorobenzene (Surr)</i>		<i>97 %</i>		<i>79-120 %</i>	<i>1</i>	<i>11/11/20 17:31</i>	<i>5035A/8260D</i>	

USMPDI-048SC-B-08-10-201103 (A0K0167-35)			Matrix: SE		Batch: 0110315			
Benzene	12.9	11.7	23.4	ug/kg dry	50	11/10/20 12:49	5035A/8260D	J
Toluene	ND	58.4	117	ug/kg dry	50	11/10/20 12:49	5035A/8260D	
Ethylbenzene	ND	29.2	58.4	ug/kg dry	50	11/10/20 12:49	5035A/8260D	
m,p-Xylene	ND	58.4	117	ug/kg dry	50	11/10/20 12:49	5035A/8260D	
o-Xylene	ND	29.2	58.4	ug/kg dry	50	11/10/20 12:49	5035A/8260D	
Chlorobenzene	ND	29.2	58.4	ug/kg dry	50	11/10/20 12:49	5035A/8260D	
1,1-Dichloroethene	ND	29.2	58.4	ug/kg dry	50	11/10/20 12:49	5035A/8260D	
cis-1,2-Dichloroethene	ND	29.2	58.4	ug/kg dry	50	11/10/20 12:49	5035A/8260D	
Tetrachloroethene (PCE)	ND	29.2	58.4	ug/kg dry	50	11/10/20 12:49	5035A/8260D	
Trichloroethene (TCE)	ND	29.2	58.4	ug/kg dry	50	11/10/20 12:49	5035A/8260D	
Vinyl chloride	ND	29.2	58.4	ug/kg dry	50	11/10/20 12:49	5035A/8260D	
<i>Surrogate: 1,4-Difluorobenzene (Surr)</i>		<i>Recovery: 103 %</i>		<i>Limits: 80-120 %</i>	<i>1</i>	<i>11/10/20 12:49</i>	<i>5035A/8260D</i>	
<i>Toluene-d8 (Surr)</i>		<i>96 %</i>		<i>80-120 %</i>	<i>1</i>	<i>11/10/20 12:49</i>	<i>5035A/8260D</i>	
<i>4-Bromofluorobenzene (Surr)</i>		<i>94 %</i>		<i>79-120 %</i>	<i>1</i>	<i>11/10/20 12:49</i>	<i>5035A/8260D</i>	

USMPDI-048SC-B-10-12-201103 (A0K0167-36)			Matrix: SE		Batch: 0110315			
Benzene	ND	11.6	23.2	ug/kg dry	50	11/10/20 13:16	5035A/8260D	
Toluene	ND	58.1	116	ug/kg dry	50	11/10/20 13:16	5035A/8260D	
Ethylbenzene	ND	29.0	58.1	ug/kg dry	50	11/10/20 13:16	5035A/8260D	
m,p-Xylene	ND	58.1	116	ug/kg dry	50	11/10/20 13:16	5035A/8260D	
o-Xylene	ND	29.0	58.1	ug/kg dry	50	11/10/20 13:16	5035A/8260D	
Chlorobenzene	ND	29.0	58.1	ug/kg dry	50	11/10/20 13:16	5035A/8260D	

Apex Laboratories

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ANALYTICAL REPORT

AMENDED REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323

ORELAP ID: OR100062

Anchor QEA, LLC 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: US Moorings -- C2, C3, C4 Project Number: [none] Project Manager: Delaney Peterson	Report ID: A0K0167 - 08 16 21 1242
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ANALYTICAL SAMPLE RESULTS

Selected Volatile Organic Compounds by EPA 5035A/8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
USMPDI-048SC-B-10-12-201103 (A0K0167-36)				Matrix: SE		Batch: 0110315		
1,1-Dichloroethene	ND	29.0	58.1	ug/kg dry	50	11/10/20 13:16	5035A/8260D	
cis-1,2-Dichloroethene	ND	29.0	58.1	ug/kg dry	50	11/10/20 13:16	5035A/8260D	
Tetrachloroethene (PCE)	ND	29.0	58.1	ug/kg dry	50	11/10/20 13:16	5035A/8260D	
Trichloroethene (TCE)	ND	29.0	58.1	ug/kg dry	50	11/10/20 13:16	5035A/8260D	
Vinyl chloride	ND	29.0	58.1	ug/kg dry	50	11/10/20 13:16	5035A/8260D	
<i>Surrogate: 1,4-Difluorobenzene (Surr)</i>		<i>Recovery: 104 %</i>		<i>Limits: 80-120 %</i>		<i>1</i>	<i>11/10/20 13:16</i>	<i>5035A/8260D</i>
<i>Toluene-d8 (Surr)</i>		<i>95 %</i>		<i>80-120 %</i>		<i>1</i>	<i>11/10/20 13:16</i>	<i>5035A/8260D</i>
<i>4-Bromofluorobenzene (Surr)</i>		<i>96 %</i>		<i>79-120 %</i>		<i>1</i>	<i>11/10/20 13:16</i>	<i>5035A/8260D</i>

USMPDI-048SC-B-12-14-201103 (A0K0167-37)				Matrix: SE		Batch: 0110315		
Benzene	ND	10.4	20.8	ug/kg dry	50	11/10/20 14:10	5035A/8260D	
Toluene	ND	52.0	104	ug/kg dry	50	11/10/20 14:10	5035A/8260D	
Ethylbenzene	ND	26.0	52.0	ug/kg dry	50	11/10/20 14:10	5035A/8260D	
m,p-Xylene	ND	52.0	104	ug/kg dry	50	11/10/20 14:10	5035A/8260D	
o-Xylene	ND	26.0	52.0	ug/kg dry	50	11/10/20 14:10	5035A/8260D	
Chlorobenzene	ND	26.0	52.0	ug/kg dry	50	11/10/20 14:10	5035A/8260D	
1,1-Dichloroethene	ND	26.0	52.0	ug/kg dry	50	11/10/20 14:10	5035A/8260D	
cis-1,2-Dichloroethene	ND	26.0	52.0	ug/kg dry	50	11/10/20 14:10	5035A/8260D	
Tetrachloroethene (PCE)	ND	26.0	52.0	ug/kg dry	50	11/10/20 14:10	5035A/8260D	
Trichloroethene (TCE)	ND	26.0	52.0	ug/kg dry	50	11/10/20 14:10	5035A/8260D	
Vinyl chloride	ND	26.0	52.0	ug/kg dry	50	11/10/20 14:10	5035A/8260D	
<i>Surrogate: 1,4-Difluorobenzene (Surr)</i>		<i>Recovery: 105 %</i>		<i>Limits: 80-120 %</i>		<i>1</i>	<i>11/10/20 14:10</i>	<i>5035A/8260D</i>
<i>Toluene-d8 (Surr)</i>		<i>96 %</i>		<i>80-120 %</i>		<i>1</i>	<i>11/10/20 14:10</i>	<i>5035A/8260D</i>
<i>4-Bromofluorobenzene (Surr)</i>		<i>97 %</i>		<i>79-120 %</i>		<i>1</i>	<i>11/10/20 14:10</i>	<i>5035A/8260D</i>

USMPDI-048SC-B-14-16-201103 (A0K0167-38)				Matrix: SE		Batch: 0110315		
Benzene	ND	7.90	15.8	ug/kg dry	50	11/10/20 13:43	5035A/8260D	
Toluene	ND	39.5	79.0	ug/kg dry	50	11/10/20 13:43	5035A/8260D	
Ethylbenzene	ND	19.8	39.5	ug/kg dry	50	11/10/20 13:43	5035A/8260D	
m,p-Xylene	ND	39.5	79.0	ug/kg dry	50	11/10/20 13:43	5035A/8260D	
o-Xylene	ND	19.8	39.5	ug/kg dry	50	11/10/20 13:43	5035A/8260D	
Chlorobenzene	ND	19.8	39.5	ug/kg dry	50	11/10/20 13:43	5035A/8260D	
1,1-Dichloroethene	ND	19.8	39.5	ug/kg dry	50	11/10/20 13:43	5035A/8260D	
cis-1,2-Dichloroethene	ND	19.8	39.5	ug/kg dry	50	11/10/20 13:43	5035A/8260D	

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Darwin Thomas, Business Development Director



ANALYTICAL REPORT

AMENDED REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062

Anchor QEA, LLC 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: US Moorings -- C2, C3, C4 Project Number: [none] Project Manager: Delaney Peterson	Report ID: A0K0167 - 08 16 21 1242
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ANALYTICAL SAMPLE RESULTS

Selected Volatile Organic Compounds by EPA 5035A/8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
USMPDI-048SC-B-14-16-201103 (A0K0167-38)				Matrix: SE		Batch: 0110315		
Tetrachloroethene (PCE)	ND	19.8	39.5	ug/kg dry	50	11/10/20 13:43	5035A/8260D	
Trichloroethene (TCE)	ND	19.8	39.5	ug/kg dry	50	11/10/20 13:43	5035A/8260D	
Vinyl chloride	ND	19.8	39.5	ug/kg dry	50	11/10/20 13:43	5035A/8260D	
<i>Surrogate: 1,4-Difluorobenzene (Surr)</i>		<i>Recovery: 105 %</i>		<i>Limits: 80-120 %</i>		<i>1</i>	<i>11/10/20 13:43</i>	<i>5035A/8260D</i>
<i>Toluene-d8 (Surr)</i>		<i>95 %</i>		<i>80-120 %</i>		<i>1</i>	<i>11/10/20 13:43</i>	<i>5035A/8260D</i>
<i>4-Bromofluorobenzene (Surr)</i>		<i>96 %</i>		<i>79-120 %</i>		<i>1</i>	<i>11/10/20 13:43</i>	<i>5035A/8260D</i>

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Darwin Thomas, Business Development Director



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ORELAP ID: OR100062

Anchor QEA, LLC 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: US Moorings -- C2, C3, C4 Project Number: [none] Project Manager: Delaney Peterson	Report ID: A0K0167 - 08 16 21 1242
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ANALYTICAL SAMPLE RESULTS

Polychlorinated Biphenyls by EPA 8082A

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
USMPDI-038SC-A-11-12-201103 (A0K0167-01)			Matrix: SE		Batch: 0110791		C-07	
Aroclor 1016	ND	7.89	7.89	ug/kg dry	1	11/23/20 14:42	EPA 8082A	
Aroclor 1221	ND	6.71	6.71	ug/kg dry	1	11/23/20 14:42	EPA 8082A	
Aroclor 1232	ND	27.5	27.5	ug/kg dry	1	11/23/20 14:42	EPA 8082A	R-02
Aroclor 1242	ND	11.6	11.6	ug/kg dry	1	11/23/20 14:42	EPA 8082A	R-02
Aroclor 1248	ND	14.3	14.3	ug/kg dry	1	11/23/20 14:42	EPA 8082A	R-02
Aroclor 1254	16.9	3.36	6.71	ug/kg dry	1	11/23/20 14:42	EPA 8082A	P-12
Aroclor 1260	14.8	3.36	6.71	ug/kg dry	1	11/23/20 14:42	EPA 8082A	P-12
Aroclor 1262	ND	3.36	6.71	ug/kg dry	1	11/23/20 14:42	EPA 8082A	
Aroclor 1268	ND	3.36	6.71	ug/kg dry	1	11/23/20 14:42	EPA 8082A	
<i>Surrogate: Decachlorobiphenyl (Surr)</i>		<i>Recovery: 86 %</i>		<i>Limits: 60-125 %</i>		<i>1</i>	<i>11/23/20 14:42</i>	<i>EPA 8082A</i>
USMPDI-038SC-A-12-13-201103 (A0K0167-02)			Matrix: SE		Batch: 0110791		C-07	
Aroclor 1016	ND	6.35	6.35	ug/kg dry	1	11/23/20 15:18	EPA 8082A	
Aroclor 1221	ND	6.35	6.35	ug/kg dry	1	11/23/20 15:18	EPA 8082A	
Aroclor 1232	ND	16.3	16.3	ug/kg dry	1	11/23/20 15:18	EPA 8082A	R-02
Aroclor 1242	ND	7.94	7.94	ug/kg dry	1	11/23/20 15:18	EPA 8082A	R-02
Aroclor 1248	ND	10.2	10.2	ug/kg dry	1	11/23/20 15:18	EPA 8082A	R-02
Aroclor 1254	15.8	3.17	6.35	ug/kg dry	1	11/23/20 15:18	EPA 8082A	P-12
Aroclor 1260	15.4	3.17	6.35	ug/kg dry	1	11/23/20 15:18	EPA 8082A	P-12
Aroclor 1262	ND	3.17	6.35	ug/kg dry	1	11/23/20 15:18	EPA 8082A	
Aroclor 1268	ND	3.17	6.35	ug/kg dry	1	11/23/20 15:18	EPA 8082A	
<i>Surrogate: Decachlorobiphenyl (Surr)</i>		<i>Recovery: 80 %</i>		<i>Limits: 60-125 %</i>		<i>1</i>	<i>11/23/20 15:18</i>	<i>EPA 8082A</i>
USMPDI-038SC-A-13-14-201103 (A0K0167-03)			Matrix: SE		Batch: 0110791		C-07	
Aroclor 1016	ND	3.44	6.89	ug/kg dry	1	11/23/20 15:54	EPA 8082A	
Aroclor 1221	ND	3.44	6.89	ug/kg dry	1	11/23/20 15:54	EPA 8082A	
Aroclor 1232	ND	9.13	9.13	ug/kg dry	1	11/23/20 15:54	EPA 8082A	R-02
Aroclor 1242	ND	6.89	6.89	ug/kg dry	1	11/23/20 15:54	EPA 8082A	
Aroclor 1248	ND	6.89	6.89	ug/kg dry	1	11/23/20 15:54	EPA 8082A	
Aroclor 1254	12.6	3.44	6.89	ug/kg dry	1	11/23/20 15:54	EPA 8082A	P-12
Aroclor 1260	11.3	3.44	6.89	ug/kg dry	1	11/23/20 15:54	EPA 8082A	P-12
Aroclor 1262	ND	3.44	6.89	ug/kg dry	1	11/23/20 15:54	EPA 8082A	
Aroclor 1268	ND	3.44	6.89	ug/kg dry	1	11/23/20 15:54	EPA 8082A	

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ANALYTICAL REPORT

AMENDED REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062

Anchor QEA, LLC 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: US Moorings -- C2, C3, C4 Project Number: [none] Project Manager: Delaney Peterson	Report ID: A0K0167 - 08 16 21 1242
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ANALYTICAL SAMPLE RESULTS

Polychlorinated Biphenyls by EPA 8082A

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
USMPDI-038SC-A-13-14-201103 (A0K0167-03)				Matrix: SE		Batch: 0110791		C-07
<i>Surrogate: Decachlorobiphenyl (Surr)</i>		<i>Recovery: 84 %</i>		<i>Limits: 60-125 %</i>		<i>1</i>	<i>11/23/20 15:54</i>	<i>EPA 8082A</i>
USMPDI-038SC-A-14-15-201103 (A0K0167-04)				Matrix: SE		Batch: 0110791		C-07
Aroclor 1016	ND	9.81	9.81	ug/kg dry	1	11/23/20 09:21	EPA 8082A	R-02
Aroclor 1221	ND	9.33	9.33	ug/kg dry	1	11/23/20 09:21	EPA 8082A	R-02
Aroclor 1232	ND	16.7	16.7	ug/kg dry	1	11/23/20 09:21	EPA 8082A	R-02
Aroclor 1242	ND	14.8	14.8	ug/kg dry	1	11/23/20 09:21	EPA 8082A	R-02
Aroclor 1248	ND	12.4	12.4	ug/kg dry	1	11/23/20 09:21	EPA 8082A	R-02
Aroclor 1254	ND	30.2	30.2	ug/kg dry	1	11/23/20 09:21	EPA 8082A	R-02
Aroclor 1260	26.9	3.22	6.43	ug/kg dry	1	11/23/20 09:21	EPA 8082A	
Aroclor 1262	ND	3.22	6.43	ug/kg dry	1	11/23/20 09:21	EPA 8082A	
Aroclor 1268	ND	3.22	6.43	ug/kg dry	1	11/23/20 09:21	EPA 8082A	
<i>Surrogate: Decachlorobiphenyl (Surr)</i>		<i>Recovery: 100 %</i>		<i>Limits: 60-125 %</i>		<i>1</i>	<i>11/23/20 09:21</i>	<i>EPA 8082A</i>
USMPDI-038SC-B-00-02-201103 (A0K0167-06)				Matrix: SE		Batch: 0110791		C-07
Aroclor 1016	ND	4.23	8.46	ug/kg dry	1	11/23/20 09:57	EPA 8082A	
Aroclor 1221	ND	8.46	8.46	ug/kg dry	1	11/23/20 09:57	EPA 8082A	
Aroclor 1232	ND	8.46	8.46	ug/kg dry	1	11/23/20 09:57	EPA 8082A	
Aroclor 1242	ND	4.23	8.46	ug/kg dry	1	11/23/20 09:57	EPA 8082A	
Aroclor 1248	ND	4.23	8.46	ug/kg dry	1	11/23/20 09:57	EPA 8082A	
Aroclor 1254	6.24	4.23	8.46	ug/kg dry	1	11/23/20 09:57	EPA 8082A	J
Aroclor 1260	ND	4.23	8.46	ug/kg dry	1	11/23/20 09:57	EPA 8082A	
Aroclor 1262	ND	4.23	8.46	ug/kg dry	1	11/23/20 09:57	EPA 8082A	
Aroclor 1268	ND	4.23	8.46	ug/kg dry	1	11/23/20 09:57	EPA 8082A	
<i>Surrogate: Decachlorobiphenyl (Surr)</i>		<i>Recovery: 77 %</i>		<i>Limits: 60-125 %</i>		<i>1</i>	<i>11/23/20 09:57</i>	<i>EPA 8082A</i>
USMPDI-038SC-B-02-04-201103 (A0K0167-07)				Matrix: SE		Batch: 0110791		C-07
Aroclor 1016	ND	4.04	8.08	ug/kg dry	1	11/23/20 10:32	EPA 8082A	
Aroclor 1221	ND	8.08	8.08	ug/kg dry	1	11/23/20 10:32	EPA 8082A	
Aroclor 1232	ND	8.08	8.08	ug/kg dry	1	11/23/20 10:32	EPA 8082A	
Aroclor 1242	ND	4.04	8.08	ug/kg dry	1	11/23/20 10:32	EPA 8082A	
Aroclor 1248	ND	4.04	8.08	ug/kg dry	1	11/23/20 10:32	EPA 8082A	
Aroclor 1254	9.39	4.04	8.08	ug/kg dry	1	11/23/20 10:32	EPA 8082A	P-12
Aroclor 1260	4.35	4.04	8.08	ug/kg dry	1	11/23/20 10:32	EPA 8082A	J

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ANALYTICAL REPORT

AMENDED REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062

Anchor QEA, LLC 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: US Moorings -- C2, C3, C4 Project Number: [none] Project Manager: Delaney Peterson	Report ID: A0K0167 - 08 16 21 1242
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ANALYTICAL SAMPLE RESULTS

Polychlorinated Biphenyls by EPA 8082A

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
USMPDI-038SC-B-02-04-201103 (A0K0167-07)				Matrix: SE		Batch: 0110791		C-07
Aroclor 1262	ND	4.04	8.08	ug/kg dry	1	11/23/20 10:32	EPA 8082A	
Aroclor 1268	ND	4.04	8.08	ug/kg dry	1	11/23/20 10:32	EPA 8082A	
<i>Surrogate: Decachlorobiphenyl (Surr)</i>		<i>Recovery: 79 %</i>		<i>Limits: 60-125 %</i>		<i>1</i>	<i>11/23/20 10:32</i>	<i>EPA 8082A</i>
USMPDI-038SC-B-04-06-201103 (A0K0167-08)				Matrix: SE		Batch: 0110791		C-07
Aroclor 1016	ND	7.26	7.26	ug/kg dry	1	11/23/20 11:08	EPA 8082A	
Aroclor 1221	ND	7.26	7.26	ug/kg dry	1	11/23/20 11:08	EPA 8082A	
Aroclor 1232	ND	8.17	8.17	ug/kg dry	1	11/23/20 11:08	EPA 8082A	R-02
Aroclor 1242	4.37	3.63	7.26	ug/kg dry	1	11/23/20 11:08	EPA 8082A	J
Aroclor 1248	ND	7.26	7.26	ug/kg dry	1	11/23/20 11:08	EPA 8082A	
Aroclor 1254	ND	10.7	10.7	ug/kg dry	1	11/23/20 11:08	EPA 8082A	R-02
Aroclor 1260	5.59	3.63	7.26	ug/kg dry	1	11/23/20 11:08	EPA 8082A	J
Aroclor 1262	ND	3.63	7.26	ug/kg dry	1	11/23/20 11:08	EPA 8082A	
Aroclor 1268	ND	3.63	7.26	ug/kg dry	1	11/23/20 11:08	EPA 8082A	
<i>Surrogate: Decachlorobiphenyl (Surr)</i>		<i>Recovery: 92 %</i>		<i>Limits: 60-125 %</i>		<i>1</i>	<i>11/23/20 11:08</i>	<i>EPA 8082A</i>
USMPDI-038SC-B-06-08-201103 (A0K0167-09)				Matrix: SE		Batch: 0110791		C-07
Aroclor 1016	ND	3.56	7.12	ug/kg dry	1	11/23/20 11:44	EPA 8082A	
Aroclor 1221	ND	3.56	7.12	ug/kg dry	1	11/23/20 11:44	EPA 8082A	
Aroclor 1232	ND	3.56	7.12	ug/kg dry	1	11/23/20 11:44	EPA 8082A	
Aroclor 1242	3.85	3.56	7.12	ug/kg dry	1	11/23/20 11:44	EPA 8082A	J
Aroclor 1248	ND	3.56	7.12	ug/kg dry	1	11/23/20 11:44	EPA 8082A	
Aroclor 1254	ND	11.6	11.6	ug/kg dry	1	11/23/20 11:44	EPA 8082A	R-02
Aroclor 1260	6.72	3.56	7.12	ug/kg dry	1	11/23/20 11:44	EPA 8082A	J
Aroclor 1262	ND	3.56	7.12	ug/kg dry	1	11/23/20 11:44	EPA 8082A	
Aroclor 1268	ND	3.56	7.12	ug/kg dry	1	11/23/20 11:44	EPA 8082A	
<i>Surrogate: Decachlorobiphenyl (Surr)</i>		<i>Recovery: 101 %</i>		<i>Limits: 60-125 %</i>		<i>1</i>	<i>11/23/20 11:44</i>	<i>EPA 8082A</i>
USMPDI-038SC-B-08-10-201103 (A0K0167-10)				Matrix: SE		Batch: 0110791		C-07
Aroclor 1016	ND	3.36	6.71	ug/kg dry	1	11/23/20 12:19	EPA 8082A	
Aroclor 1221	ND	3.36	6.71	ug/kg dry	1	11/23/20 12:19	EPA 8082A	
Aroclor 1232	ND	3.36	6.71	ug/kg dry	1	11/23/20 12:19	EPA 8082A	
Aroclor 1242	15.8	3.36	6.71	ug/kg dry	1	11/23/20 12:19	EPA 8082A	P-12

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Darwin Thomas, Business Development Director



ANALYTICAL REPORT

AMENDED REPORT

Apex Laboratories, LLC

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ORELAP ID: OR100062

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ANALYTICAL SAMPLE RESULTS

Polychlorinated Biphenyls by EPA 8082A

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
USMPDI-038SC-B-08-10-201103 (A0K0167-10)				Matrix: SE		Batch: 0110791		C-07
Aroclor 1248	ND	3.36	6.71	ug/kg dry	1	11/23/20 12:19	EPA 8082A	
Aroclor 1254	33.6	3.36	6.71	ug/kg dry	1	11/23/20 12:19	EPA 8082A	P-12
Aroclor 1260	21.6	3.36	6.71	ug/kg dry	1	11/23/20 12:19	EPA 8082A	P-12
Aroclor 1262	ND	3.36	6.71	ug/kg dry	1	11/23/20 12:19	EPA 8082A	
Aroclor 1268	ND	3.36	6.71	ug/kg dry	1	11/23/20 12:19	EPA 8082A	
<i>Surrogate: Decachlorobiphenyl (Surr)</i>		<i>Recovery: 90 %</i>		<i>Limits: 60-125 %</i>		<i>1</i>	<i>11/23/20 12:19</i>	<i>EPA 8082A</i>
USMPDI-040SC-A-05-06-201103 (A0K0167-14)				Matrix: SE		Batch: 0110791		C-07
Aroclor 1016	ND	2.94	5.89	ug/kg dry	1	11/23/20 13:31	EPA 8082A	
Aroclor 1221	ND	2.94	5.89	ug/kg dry	1	11/23/20 13:31	EPA 8082A	
Aroclor 1232	ND	2.94	5.89	ug/kg dry	1	11/23/20 13:31	EPA 8082A	
Aroclor 1242	ND	2.94	5.89	ug/kg dry	1	11/23/20 13:31	EPA 8082A	
Aroclor 1248	ND	2.94	5.89	ug/kg dry	1	11/23/20 13:31	EPA 8082A	
Aroclor 1254	ND	7.21	7.21	ug/kg dry	1	11/23/20 13:31	EPA 8082A	R-02
Aroclor 1260	7.06	2.94	5.89	ug/kg dry	1	11/23/20 13:31	EPA 8082A	
Aroclor 1262	ND	2.94	5.89	ug/kg dry	1	11/23/20 13:31	EPA 8082A	
Aroclor 1268	ND	2.94	5.89	ug/kg dry	1	11/23/20 13:31	EPA 8082A	
<i>Surrogate: Decachlorobiphenyl (Surr)</i>		<i>Recovery: 95 %</i>		<i>Limits: 60-125 %</i>		<i>1</i>	<i>11/23/20 13:31</i>	<i>EPA 8082A</i>
USMPDI-040SC-A-06-07-201103 (A0K0167-15)				Matrix: SE		Batch: 0110791		C-07
Aroclor 1016	ND	2.99	5.98	ug/kg dry	1	11/23/20 14:07	EPA 8082A	
Aroclor 1221	ND	2.99	5.98	ug/kg dry	1	11/23/20 14:07	EPA 8082A	
Aroclor 1232	ND	2.99	5.98	ug/kg dry	1	11/23/20 14:07	EPA 8082A	
Aroclor 1242	ND	2.99	5.98	ug/kg dry	1	11/23/20 14:07	EPA 8082A	
Aroclor 1248	ND	2.99	5.98	ug/kg dry	1	11/23/20 14:07	EPA 8082A	
Aroclor 1254	ND	2.99	5.98	ug/kg dry	1	11/23/20 14:07	EPA 8082A	
Aroclor 1260	ND	2.99	5.98	ug/kg dry	1	11/23/20 14:07	EPA 8082A	
Aroclor 1262	ND	2.99	5.98	ug/kg dry	1	11/23/20 14:07	EPA 8082A	
Aroclor 1268	ND	2.99	5.98	ug/kg dry	1	11/23/20 14:07	EPA 8082A	
<i>Surrogate: Decachlorobiphenyl (Surr)</i>		<i>Recovery: 97 %</i>		<i>Limits: 60-125 %</i>		<i>1</i>	<i>11/23/20 14:07</i>	<i>EPA 8082A</i>
USMPDI-040SC-A-07-08-201103 (A0K0167-16)				Matrix: SE		Batch: 0110791		C-07
Aroclor 1016	ND	2.88	5.76	ug/kg dry	1	11/23/20 14:42	EPA 8082A	

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ANALYTICAL REPORT

AMENDED REPORT

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Anchor QEA, LLC 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: US Moorings -- C2, C3, C4 Project Number: [none] Project Manager: Delaney Peterson	Report ID: A0K0167 - 08 16 21 1242
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ANALYTICAL SAMPLE RESULTS

Polychlorinated Biphenyls by EPA 8082A

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
USMPDI-040SC-A-07-08-201103 (A0K0167-16)			Matrix: SE		Batch: 0110791		C-07	
Aroclor 1221	ND	2.88	5.76	ug/kg dry	1	11/23/20 14:42	EPA 8082A	
Aroclor 1232	ND	2.88	5.76	ug/kg dry	1	11/23/20 14:42	EPA 8082A	
Aroclor 1242	ND	2.88	5.76	ug/kg dry	1	11/23/20 14:42	EPA 8082A	
Aroclor 1248	ND	2.88	5.76	ug/kg dry	1	11/23/20 14:42	EPA 8082A	
Aroclor 1254	ND	2.88	5.76	ug/kg dry	1	11/23/20 14:42	EPA 8082A	
Aroclor 1260	ND	2.88	5.76	ug/kg dry	1	11/23/20 14:42	EPA 8082A	
Aroclor 1262	ND	2.88	5.76	ug/kg dry	1	11/23/20 14:42	EPA 8082A	
Aroclor 1268	ND	2.88	5.76	ug/kg dry	1	11/23/20 14:42	EPA 8082A	
<i>Surrogate: Decachlorobiphenyl (Surr)</i>		<i>Recovery: 104 %</i>		<i>Limits: 60-125 %</i>		<i>1</i>	<i>11/23/20 14:42</i>	<i>EPA 8082A</i>
USMPDI-040SC-A-08-09-201103 (A0K0167-17)			Matrix: SE		Batch: 0110791		C-07	
Aroclor 1016	ND	2.49	4.97	ug/kg dry	1	11/23/20 15:18	EPA 8082A	
Aroclor 1221	ND	2.49	4.97	ug/kg dry	1	11/23/20 15:18	EPA 8082A	
Aroclor 1232	ND	2.49	4.97	ug/kg dry	1	11/23/20 15:18	EPA 8082A	
Aroclor 1242	ND	2.49	4.97	ug/kg dry	1	11/23/20 15:18	EPA 8082A	
Aroclor 1248	ND	2.49	4.97	ug/kg dry	1	11/23/20 15:18	EPA 8082A	
Aroclor 1254	ND	2.49	4.97	ug/kg dry	1	11/23/20 15:18	EPA 8082A	
Aroclor 1260	ND	2.49	4.97	ug/kg dry	1	11/23/20 15:18	EPA 8082A	
Aroclor 1262	ND	2.49	4.97	ug/kg dry	1	11/23/20 15:18	EPA 8082A	
Aroclor 1268	ND	2.49	4.97	ug/kg dry	1	11/23/20 15:18	EPA 8082A	
<i>Surrogate: Decachlorobiphenyl (Surr)</i>		<i>Recovery: 107 %</i>		<i>Limits: 60-125 %</i>		<i>1</i>	<i>11/23/20 15:18</i>	<i>EPA 8082A</i>
USMPDI-1040SC-A-08-09-201103 (A0K0167-18)			Matrix: SE		Batch: 0110791		C-07	
Aroclor 1016	ND	2.43	4.86	ug/kg dry	1	11/23/20 15:54	EPA 8082A	
Aroclor 1221	ND	4.86	4.86	ug/kg dry	1	11/23/20 15:54	EPA 8082A	
Aroclor 1232	ND	2.43	4.86	ug/kg dry	1	11/23/20 15:54	EPA 8082A	
Aroclor 1242	ND	2.43	4.86	ug/kg dry	1	11/23/20 15:54	EPA 8082A	
Aroclor 1248	ND	2.43	4.86	ug/kg dry	1	11/23/20 15:54	EPA 8082A	
Aroclor 1254	ND	2.43	4.86	ug/kg dry	1	11/23/20 15:54	EPA 8082A	
Aroclor 1260	ND	2.43	4.86	ug/kg dry	1	11/23/20 15:54	EPA 8082A	
Aroclor 1262	ND	2.43	4.86	ug/kg dry	1	11/23/20 15:54	EPA 8082A	
Aroclor 1268	ND	2.43	4.86	ug/kg dry	1	11/23/20 15:54	EPA 8082A	
<i>Surrogate: Decachlorobiphenyl (Surr)</i>		<i>Recovery: 108 %</i>		<i>Limits: 60-125 %</i>		<i>1</i>	<i>11/23/20 15:54</i>	<i>EPA 8082A</i>

Apex Laboratories

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Darwin Thomas, Business Development Director



ANALYTICAL REPORT

AMENDED REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062

Anchor QEA, LLC 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: US Moorings -- C2, C3, C4 Project Number: [none] Project Manager: Delaney Peterson	Report ID: A0K0167 - 08 16 21 1242
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ANALYTICAL SAMPLE RESULTS

Polychlorinated Biphenyls by EPA 8082A

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes	
USMPDI-040SC-B-00-02-201103 (A0K0167-19)			Matrix: SE		Batch: 0110792		C-07		
Aroclor 1016	ND	4.06	8.11	ug/kg dry	1	11/24/20 09:18	EPA 8082A	AMEND	
Aroclor 1221	ND	4.06	8.11	ug/kg dry	1	11/24/20 09:18	EPA 8082A	AMEND	
Aroclor 1232	ND	4.06	8.11	ug/kg dry	1	11/24/20 09:18	EPA 8082A	AMEND	
Aroclor 1242	12.7	4.06	8.11	ug/kg dry	1	11/24/20 09:18	EPA 8082A	AMEND, P-12	
Aroclor 1248	ND	4.06	8.11	ug/kg dry	1	11/24/20 09:18	EPA 8082A	AMEND	
Aroclor 1254	26.8	4.06	8.11	ug/kg dry	1	11/24/20 09:18	EPA 8082A	AMEND, P-12	
Aroclor 1260	23.8	4.06	8.11	ug/kg dry	1	11/24/20 09:18	EPA 8082A	AMEND, P-12	
Aroclor 1262	ND	4.06	8.11	ug/kg dry	1	11/24/20 09:18	EPA 8082A	AMEND	
Aroclor 1268	ND	4.06	8.11	ug/kg dry	1	11/24/20 09:18	EPA 8082A	AMEND	
<i>Surrogate: Decachlorobiphenyl (Surr)</i>		<i>Recovery: 80 %</i>		<i>Limits: 60-125 %</i>		<i>1</i>	<i>11/24/20 09:18</i>	<i>EPA 8082A</i>	<i>AMEND</i>

USMPDI-040SC-B-02-04-201103 (A0K0167-20)			Matrix: SE		Batch: 0110792		C-07		
Aroclor 1016	ND	15.6	15.6	ug/kg dry	1	11/24/20 10:29	EPA 8082A	R-02	
Aroclor 1221	ND	10.3	10.3	ug/kg dry	1	11/24/20 10:29	EPA 8082A	R-02	
Aroclor 1232	ND	40.2	40.2	ug/kg dry	1	11/24/20 10:29	EPA 8082A	R-02	
Aroclor 1242	ND	19.4	19.4	ug/kg dry	1	11/24/20 10:29	EPA 8082A	R-02	
Aroclor 1248	ND	24.0	24.0	ug/kg dry	1	11/24/20 10:29	EPA 8082A	R-02	
Aroclor 1254	35.1	3.50	7.00	ug/kg dry	1	11/24/20 10:29	EPA 8082A	P-12	
Aroclor 1260	35.3	3.50	7.00	ug/kg dry	1	11/24/20 10:29	EPA 8082A	P-12	
Aroclor 1262	ND	3.50	7.00	ug/kg dry	1	11/24/20 10:29	EPA 8082A		
Aroclor 1268	ND	3.50	7.00	ug/kg dry	1	11/24/20 10:29	EPA 8082A		
<i>Surrogate: Decachlorobiphenyl (Surr)</i>		<i>Recovery: 84 %</i>		<i>Limits: 60-125 %</i>		<i>1</i>	<i>11/24/20 10:29</i>	<i>EPA 8082A</i>	

USMPDI-040SC-B-10-12-201103 (A0K0167-24RE1)			Matrix: SE		Batch: 0110979		C-07	
Aroclor 1016	ND	2.48	4.97	ug/kg dry	1	12/03/20 09:21	EPA 8082A	
Aroclor 1221	ND	2.48	4.97	ug/kg dry	1	12/03/20 09:21	EPA 8082A	
Aroclor 1232	ND	2.48	4.97	ug/kg dry	1	12/03/20 09:21	EPA 8082A	
Aroclor 1242	ND	2.48	4.97	ug/kg dry	1	12/03/20 09:21	EPA 8082A	
Aroclor 1248	ND	2.48	4.97	ug/kg dry	1	12/03/20 09:21	EPA 8082A	
Aroclor 1254	ND	2.48	4.97	ug/kg dry	1	12/03/20 09:21	EPA 8082A	
Aroclor 1260	ND	2.48	4.97	ug/kg dry	1	12/03/20 09:21	EPA 8082A	
Aroclor 1262	ND	2.48	4.97	ug/kg dry	1	12/03/20 09:21	EPA 8082A	

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ANALYTICAL REPORT

AMENDED REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062

Anchor QEA, LLC 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: US Moorings -- C2, C3, C4 Project Number: [none] Project Manager: Delaney Peterson	Report ID: A0K0167 - 08 16 21 1242
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ANALYTICAL SAMPLE RESULTS

Polychlorinated Biphenyls by EPA 8082A

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
USMPDI-040SC-B-10-12-201103 (A0K0167-24RE1)				Matrix: SE		Batch: 0110979		C-07
Aroclor 1268	ND	2.48	4.97	ug/kg dry	1	12/03/20 09:21	EPA 8082A	
<i>Surrogate: Decachlorobiphenyl (Surr)</i>		<i>Recovery: 86 %</i>		<i>Limits: 60-125 %</i>	<i>1</i>	<i>12/03/20 09:21</i>	<i>EPA 8082A</i>	
USMPDI-040SC-B-12-14-201103 (A0K0167-25)				Matrix: SE		Batch: 0110792		C-07
Aroclor 1016	ND	2.30	4.59	ug/kg dry	1	11/24/20 12:16	EPA 8082A	
Aroclor 1221	ND	2.30	4.59	ug/kg dry	1	11/24/20 12:16	EPA 8082A	
Aroclor 1232	ND	2.30	4.59	ug/kg dry	1	11/24/20 12:16	EPA 8082A	
Aroclor 1242	ND	2.30	4.59	ug/kg dry	1	11/24/20 12:16	EPA 8082A	
Aroclor 1248	ND	2.30	4.59	ug/kg dry	1	11/24/20 12:16	EPA 8082A	
Aroclor 1254	ND	2.30	4.59	ug/kg dry	1	11/24/20 12:16	EPA 8082A	
Aroclor 1260	ND	2.30	4.59	ug/kg dry	1	11/24/20 12:16	EPA 8082A	
Aroclor 1262	ND	2.30	4.59	ug/kg dry	1	11/24/20 12:16	EPA 8082A	
Aroclor 1268	ND	2.30	4.59	ug/kg dry	1	11/24/20 12:16	EPA 8082A	
<i>Surrogate: Decachlorobiphenyl (Surr)</i>		<i>Recovery: 89 %</i>		<i>Limits: 60-125 %</i>	<i>1</i>	<i>11/24/20 12:16</i>	<i>EPA 8082A</i>	
USMPDI-1040SC-B-10-12-201103 (A0K0167-26)				Matrix: SE		Batch: 0110792		C-07
Aroclor 1016	ND	2.64	5.28	ug/kg dry	1	11/24/20 12:52	EPA 8082A	
Aroclor 1221	ND	2.64	5.28	ug/kg dry	1	11/24/20 12:52	EPA 8082A	
Aroclor 1232	ND	2.64	5.28	ug/kg dry	1	11/24/20 12:52	EPA 8082A	
Aroclor 1242	ND	2.64	5.28	ug/kg dry	1	11/24/20 12:52	EPA 8082A	
Aroclor 1248	ND	2.64	5.28	ug/kg dry	1	11/24/20 12:52	EPA 8082A	
Aroclor 1254	ND	2.64	5.28	ug/kg dry	1	11/24/20 12:52	EPA 8082A	
Aroclor 1260	ND	2.64	5.28	ug/kg dry	1	11/24/20 12:52	EPA 8082A	
Aroclor 1262	ND	2.64	5.28	ug/kg dry	1	11/24/20 12:52	EPA 8082A	
Aroclor 1268	ND	2.64	5.28	ug/kg dry	1	11/24/20 12:52	EPA 8082A	
<i>Surrogate: Decachlorobiphenyl (Surr)</i>		<i>Recovery: 93 %</i>		<i>Limits: 60-125 %</i>	<i>1</i>	<i>11/24/20 12:52</i>	<i>EPA 8082A</i>	
USMPDI-048SC-A-12-13-201103 (A0K0167-27)				Matrix: SE		Batch: 0110792		C-07
Aroclor 1016	ND	3.01	6.02	ug/kg dry	1	11/24/20 13:28	EPA 8082A	
Aroclor 1221	ND	3.01	6.02	ug/kg dry	1	11/24/20 13:28	EPA 8082A	
Aroclor 1232	ND	3.01	6.02	ug/kg dry	1	11/24/20 13:28	EPA 8082A	
Aroclor 1242	ND	3.01	6.02	ug/kg dry	1	11/24/20 13:28	EPA 8082A	
Aroclor 1248	ND	6.02	6.02	ug/kg dry	1	11/24/20 13:28	EPA 8082A	

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Darwin Thomas, Business Development Director



ANALYTICAL REPORT

AMENDED REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street

Tigard, OR 97223

503-718-2323

ORELAP ID: OR100062

Anchor QEA, LLC 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: US Moorings -- C2, C3, C4 Project Number: [none] Project Manager: Delaney Peterson	Report ID: A0K0167 - 08 16 21 1242
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ANALYTICAL SAMPLE RESULTS

Polychlorinated Biphenyls by EPA 8082A

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
USMPDI-048SC-A-12-13-201103 (A0K0167-27)				Matrix: SE		Batch: 0110792		C-07
Aroclor 1254	ND	3.01	6.02	ug/kg dry	1	11/24/20 13:28	EPA 8082A	
Aroclor 1260	ND	3.01	6.02	ug/kg dry	1	11/24/20 13:28	EPA 8082A	
Aroclor 1262	ND	3.01	6.02	ug/kg dry	1	11/24/20 13:28	EPA 8082A	
Aroclor 1268	ND	3.01	6.02	ug/kg dry	1	11/24/20 13:28	EPA 8082A	
<i>Surrogate: Decachlorobiphenyl (Surr)</i>		<i>Recovery: 82 %</i>		<i>Limits: 60-125 %</i>		<i>1</i>	<i>11/24/20 13:28</i>	<i>EPA 8082A</i>
USMPDI-048SC-A-13-14-201103 (A0K0167-28)				Matrix: SE		Batch: 0110792		C-07
Aroclor 1016	ND	3.05	6.11	ug/kg dry	1	11/24/20 14:04	EPA 8082A	
Aroclor 1221	ND	3.05	6.11	ug/kg dry	1	11/24/20 14:04	EPA 8082A	
Aroclor 1232	ND	3.05	6.11	ug/kg dry	1	11/24/20 14:04	EPA 8082A	
Aroclor 1242	ND	3.05	6.11	ug/kg dry	1	11/24/20 14:04	EPA 8082A	
Aroclor 1248	ND	3.05	6.11	ug/kg dry	1	11/24/20 14:04	EPA 8082A	
Aroclor 1254	ND	3.05	6.11	ug/kg dry	1	11/24/20 14:04	EPA 8082A	
Aroclor 1260	ND	3.05	6.11	ug/kg dry	1	11/24/20 14:04	EPA 8082A	
Aroclor 1262	ND	3.05	6.11	ug/kg dry	1	11/24/20 14:04	EPA 8082A	
Aroclor 1268	ND	3.05	6.11	ug/kg dry	1	11/24/20 14:04	EPA 8082A	
<i>Surrogate: Decachlorobiphenyl (Surr)</i>		<i>Recovery: 84 %</i>		<i>Limits: 60-125 %</i>		<i>1</i>	<i>11/24/20 14:04</i>	<i>EPA 8082A</i>
USMPDI-048SC-A-14-15-201103 (A0K0167-29RE1)				Matrix: SE		Batch: 0110979		C-07
Aroclor 1016	ND	2.70	5.40	ug/kg dry	1	12/03/20 10:32	EPA 8082A	
Aroclor 1221	ND	2.70	5.40	ug/kg dry	1	12/03/20 10:32	EPA 8082A	
Aroclor 1232	ND	2.70	5.40	ug/kg dry	1	12/03/20 10:32	EPA 8082A	
Aroclor 1242	ND	2.70	5.40	ug/kg dry	1	12/03/20 10:32	EPA 8082A	
Aroclor 1248	ND	2.70	5.40	ug/kg dry	1	12/03/20 10:32	EPA 8082A	
Aroclor 1254	ND	2.70	5.40	ug/kg dry	1	12/03/20 10:32	EPA 8082A	
Aroclor 1260	ND	2.70	5.40	ug/kg dry	1	12/03/20 10:32	EPA 8082A	
Aroclor 1262	ND	2.70	5.40	ug/kg dry	1	12/03/20 10:32	EPA 8082A	
Aroclor 1268	ND	2.70	5.40	ug/kg dry	1	12/03/20 10:32	EPA 8082A	
<i>Surrogate: Decachlorobiphenyl (Surr)</i>		<i>Recovery: 86 %</i>		<i>Limits: 60-125 %</i>		<i>1</i>	<i>12/03/20 10:32</i>	<i>EPA 8082A</i>
USMPDI-048SC-A-15-16-201103 (A0K0167-30RE1)				Matrix: SE		Batch: 0110979		C-07
Aroclor 1016	ND	2.75	5.51	ug/kg dry	1	12/03/20 11:08	EPA 8082A	
Aroclor 1221	ND	2.75	5.51	ug/kg dry	1	12/03/20 11:08	EPA 8082A	

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ANALYTICAL REPORT

AMENDED REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062

Anchor QEA, LLC 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: US Moorings -- C2, C3, C4 Project Number: [none] Project Manager: Delaney Peterson	Report ID: A0K0167 - 08 16 21 1242
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ANALYTICAL SAMPLE RESULTS

Polychlorinated Biphenyls by EPA 8082A

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
USMPDI-048SC-A-15-16-201103 (A0K0167-30RE1)				Matrix: SE		Batch: 0110979		C-07
Aroclor 1232	ND	2.75	5.51	ug/kg dry	1	12/03/20 11:08	EPA 8082A	
Aroclor 1242	ND	2.75	5.51	ug/kg dry	1	12/03/20 11:08	EPA 8082A	
Aroclor 1248	ND	2.75	5.51	ug/kg dry	1	12/03/20 11:08	EPA 8082A	
Aroclor 1254	ND	2.75	5.51	ug/kg dry	1	12/03/20 11:08	EPA 8082A	
Aroclor 1260	ND	2.75	5.51	ug/kg dry	1	12/03/20 11:08	EPA 8082A	
Aroclor 1262	ND	2.75	5.51	ug/kg dry	1	12/03/20 11:08	EPA 8082A	
Aroclor 1268	ND	2.75	5.51	ug/kg dry	1	12/03/20 11:08	EPA 8082A	
<i>Surrogate: Decachlorobiphenyl (Surr)</i>		<i>Recovery: 82 %</i>		<i>Limits: 60-125 %</i>		<i>1</i>	<i>12/03/20 11:08</i>	<i>EPA 8082A</i>
USMPDI-048SC-B-00-02-201103 (A0K0167-31)				Matrix: SE		Batch: 0110792		C-07
Aroclor 1016	ND	4.11	8.22	ug/kg dry	1	11/24/20 08:42	EPA 8082A	
Aroclor 1221	ND	4.11	8.22	ug/kg dry	1	11/24/20 08:42	EPA 8082A	
Aroclor 1232	ND	4.11	8.22	ug/kg dry	1	11/24/20 08:42	EPA 8082A	
Aroclor 1242	20.8	4.11	8.22	ug/kg dry	1	11/24/20 08:42	EPA 8082A	P-12
Aroclor 1248	ND	4.11	8.22	ug/kg dry	1	11/24/20 08:42	EPA 8082A	
Aroclor 1254	29.0	4.11	8.22	ug/kg dry	1	11/24/20 08:42	EPA 8082A	P-12
Aroclor 1260	19.6	4.11	8.22	ug/kg dry	1	11/24/20 08:42	EPA 8082A	P-12
Aroclor 1262	ND	4.11	8.22	ug/kg dry	1	11/24/20 08:42	EPA 8082A	
Aroclor 1268	ND	4.11	8.22	ug/kg dry	1	11/24/20 08:42	EPA 8082A	
<i>Surrogate: Decachlorobiphenyl (Surr)</i>		<i>Recovery: 97 %</i>		<i>Limits: 60-125 %</i>		<i>1</i>	<i>11/24/20 08:42</i>	<i>EPA 8082A</i>
USMPDI-048SC-B-02-04-201103 (A0K0167-32)				Matrix: SE		Batch: 0110792		C-07
Aroclor 1016	ND	3.55	7.10	ug/kg dry	1	11/24/20 09:18	EPA 8082A	
Aroclor 1221	ND	3.55	7.10	ug/kg dry	1	11/24/20 09:18	EPA 8082A	
Aroclor 1232	ND	3.55	7.10	ug/kg dry	1	11/24/20 09:18	EPA 8082A	
Aroclor 1242	20.1	3.55	7.10	ug/kg dry	1	11/24/20 09:18	EPA 8082A	P-12
Aroclor 1248	ND	3.55	7.10	ug/kg dry	1	11/24/20 09:18	EPA 8082A	
Aroclor 1254	50.5	3.55	7.10	ug/kg dry	1	11/24/20 09:18	EPA 8082A	P-12
Aroclor 1260	42.9	3.55	7.10	ug/kg dry	1	11/24/20 09:18	EPA 8082A	P-12
Aroclor 1262	ND	3.55	7.10	ug/kg dry	1	11/24/20 09:18	EPA 8082A	
Aroclor 1268	ND	3.55	7.10	ug/kg dry	1	11/24/20 09:18	EPA 8082A	
<i>Surrogate: Decachlorobiphenyl (Surr)</i>		<i>Recovery: 106 %</i>		<i>Limits: 60-125 %</i>		<i>1</i>	<i>11/24/20 09:18</i>	<i>EPA 8082A</i>

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ANALYTICAL REPORT

AMENDED REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062

Anchor QEA, LLC 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: US Moorings -- C2, C3, C4 Project Number: [none] Project Manager: Delaney Peterson	Report ID: A0K0167 - 08 16 21 1242
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ANALYTICAL SAMPLE RESULTS

Polychlorinated Biphenyls by EPA 8082A

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
USMPDI-048SC-B-04-06-201103 (A0K0167-33)			Matrix: SE		Batch: 0110792		C-07	
Aroclor 1016	ND	7.42	7.42	ug/kg dry	1	11/24/20 11:05	EPA 8082A	R-02
Aroclor 1221	ND	3.37	6.75	ug/kg dry	1	11/24/20 11:05	EPA 8082A	
Aroclor 1232	ND	14.2	14.2	ug/kg dry	1	11/24/20 11:05	EPA 8082A	R-02
Aroclor 1242	ND	11.1	11.1	ug/kg dry	1	11/24/20 11:05	EPA 8082A	R-02
Aroclor 1248	ND	9.79	9.79	ug/kg dry	1	11/24/20 11:05	EPA 8082A	R-02
Aroclor 1254	ND	27.7	27.7	ug/kg dry	1	11/24/20 11:05	EPA 8082A	R-02
Aroclor 1260	21.2	3.37	6.75	ug/kg dry	1	11/24/20 11:05	EPA 8082A	
Aroclor 1262	ND	3.37	6.75	ug/kg dry	1	11/24/20 11:05	EPA 8082A	
Aroclor 1268	ND	3.37	6.75	ug/kg dry	1	11/24/20 11:05	EPA 8082A	
<i>Surrogate: Decachlorobiphenyl (Surr)</i>		<i>Recovery: 91 %</i>		<i>Limits: 60-125 %</i>		<i>1</i>	<i>11/24/20 11:05</i>	<i>EPA 8082A</i>
USMPDI-048SC-B-06-08-201103 (A0K0167-34)			Matrix: SE		Batch: 0110792		C-07	
Aroclor 1016	ND	13.7	13.7	ug/kg dry	1	11/24/20 11:41	EPA 8082A	R-02
Aroclor 1221	ND	3.42	6.84	ug/kg dry	1	11/24/20 11:41	EPA 8082A	
Aroclor 1232	ND	33.7	33.7	ug/kg dry	1	11/24/20 11:41	EPA 8082A	R-02
Aroclor 1242	ND	34.2	34.2	ug/kg dry	1	11/24/20 11:41	EPA 8082A	R-02
Aroclor 1248	ND	15.6	15.6	ug/kg dry	1	11/24/20 11:41	EPA 8082A	R-02
Aroclor 1254	ND	46.0	46.0	ug/kg dry	1	11/24/20 11:41	EPA 8082A	R-02
Aroclor 1260	32.9	3.42	6.84	ug/kg dry	1	11/24/20 11:41	EPA 8082A	
Aroclor 1262	ND	3.42	6.84	ug/kg dry	1	11/24/20 11:41	EPA 8082A	
Aroclor 1268	ND	3.42	6.84	ug/kg dry	1	11/24/20 11:41	EPA 8082A	
<i>Surrogate: Decachlorobiphenyl (Surr)</i>		<i>Recovery: 90 %</i>		<i>Limits: 60-125 %</i>		<i>1</i>	<i>11/24/20 11:41</i>	<i>EPA 8082A</i>
USMPDI-048SC-B-08-10-201103 (A0K0167-35RE1)			Matrix: SE		Batch: 0110792		C-07	
Aroclor 1016	ND	6.55	6.55	ug/kg dry	1	12/08/20 11:54	EPA 8082A	
Aroclor 1221	ND	6.55	6.55	ug/kg dry	1	12/08/20 11:54	EPA 8082A	
Aroclor 1232	ND	14.7	14.7	ug/kg dry	1	12/08/20 11:54	EPA 8082A	R-02
Aroclor 1242	ND	7.53	7.53	ug/kg dry	1	12/08/20 11:54	EPA 8082A	R-02
Aroclor 1248	ND	12.0	12.0	ug/kg dry	1	12/08/20 11:54	EPA 8082A	R-02
Aroclor 1254	ND	25.2	25.2	ug/kg dry	1	12/08/20 11:54	EPA 8082A	R-02
Aroclor 1260	28.0	3.27	6.55	ug/kg dry	1	12/08/20 11:54	EPA 8082A	
Aroclor 1262	ND	3.27	6.55	ug/kg dry	1	12/08/20 11:54	EPA 8082A	
Aroclor 1268	ND	3.27	6.55	ug/kg dry	1	12/08/20 11:54	EPA 8082A	

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503-718-2323
ORELAP ID: OR100062

Anchor QEA, LLC 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: US Moorings -- C2, C3, C4 Project Number: [none] Project Manager: Delaney Peterson	Report ID: A0K0167 - 08 16 21 1242
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ANALYTICAL SAMPLE RESULTS

Polychlorinated Biphenyls by EPA 8082A

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
USMPDI-048SC-B-08-10-201103 (A0K0167-35RE1)			Matrix: SE		Batch: 0110792		C-07	
<i>Surrogate: Decachlorobiphenyl (Surr)</i>		<i>Recovery: 78 %</i>		<i>Limits: 60-125 %</i>		<i>1</i>	<i>12/08/20 11:54</i>	<i>EPA 8082A</i>
USMPDI-048SC-B-10-12-201103 (A0K0167-36RE1)			Matrix: SE		Batch: 0110792		C-07	
Aroclor 1016	ND	3.18	6.36	ug/kg dry	1	12/08/20 12:30	EPA 8082A	
Aroclor 1221	ND	3.18	6.36	ug/kg dry	1	12/08/20 12:30	EPA 8082A	
Aroclor 1232	ND	13.7	13.7	ug/kg dry	1	12/08/20 12:30	EPA 8082A	R-02
Aroclor 1242	ND	6.36	6.36	ug/kg dry	1	12/08/20 12:30	EPA 8082A	
Aroclor 1248	ND	8.11	8.11	ug/kg dry	1	12/08/20 12:30	EPA 8082A	R-02
Aroclor 1254	ND	21.8	21.8	ug/kg dry	1	12/08/20 12:30	EPA 8082A	R-02
Aroclor 1260	27.6	3.18	6.36	ug/kg dry	1	12/08/20 12:30	EPA 8082A	
Aroclor 1262	ND	3.18	6.36	ug/kg dry	1	12/08/20 12:30	EPA 8082A	
Aroclor 1268	ND	3.18	6.36	ug/kg dry	1	12/08/20 12:30	EPA 8082A	
<i>Surrogate: Decachlorobiphenyl (Surr)</i>		<i>Recovery: 73 %</i>		<i>Limits: 60-125 %</i>		<i>1</i>	<i>12/08/20 12:30</i>	<i>EPA 8082A</i>

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Darwin Thomas, Business Development Director



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503-718-2323

ORELAP ID: OR100062

Anchor QEA, LLC 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: US Moorings -- C2, C3, C4 Project Number: [none] Project Manager: Delaney Peterson	Report ID: A0K0167 - 08 16 21 1242
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ANALYTICAL SAMPLE RESULTS

Organochlorine Pesticides by EPA 8081B

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
USMPDI-038SC-A-11-12-201103 (A0K0167-01RE1)			Matrix: SE		Batch: 0110505		C-05	
2,4'-DDD	ND	15.6	15.6	ug/kg dry	2	11/18/20 22:22	EPA 8081B	R-02
2,4'-DDE	ND	13.6	13.6	ug/kg dry	2	11/18/20 22:22	EPA 8081B	R-02
2,4'-DDT	ND	6.78	6.78	ug/kg dry	2	11/18/20 22:22	EPA 8081B	
4,4'-DDD	44.0	3.39	6.78	ug/kg dry	2	11/18/20 22:22	EPA 8081B	P-11
4,4'-DDE	28.4	3.39	6.78	ug/kg dry	2	11/18/20 22:22	EPA 8081B	
4,4'-DDT	ND	7.12	7.12	ug/kg dry	2	11/18/20 22:22	EPA 8081B	R-02
<i>Surrogate: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 65 %</i>		<i>Limits: 42-129 %</i>		<i>2</i>	<i>11/18/20 22:22</i>	<i>EPA 8081B</i>
<i>Decachlorobiphenyl (Surr)</i>		<i>105 %</i>		<i>55-130 %</i>		<i>2</i>	<i>11/18/20 22:22</i>	<i>EPA 8081B</i>
USMPDI-038SC-A-12-13-201103 (A0K0167-02RE1)			Matrix: SE		Batch: 0110505		C-05	
2,4'-DDD	20.2	3.30	6.60	ug/kg dry	2	11/18/20 22:58	EPA 8081B	
2,4'-DDE	ND	11.5	11.5	ug/kg dry	2	11/18/20 22:58	EPA 8081B	R-02
2,4'-DDT	ND	6.60	6.60	ug/kg dry	2	11/18/20 22:58	EPA 8081B	
4,4'-DDD	57.6	3.30	6.60	ug/kg dry	2	11/18/20 22:58	EPA 8081B	
4,4'-DDE	20.8	3.30	6.60	ug/kg dry	2	11/18/20 22:58	EPA 8081B	
4,4'-DDT	ND	6.60	6.60	ug/kg dry	2	11/18/20 22:58	EPA 8081B	
<i>Surrogate: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 58 %</i>		<i>Limits: 42-129 %</i>		<i>2</i>	<i>11/18/20 22:58</i>	<i>EPA 8081B</i>
<i>Decachlorobiphenyl (Surr)</i>		<i>96 %</i>		<i>55-130 %</i>		<i>2</i>	<i>11/18/20 22:58</i>	<i>EPA 8081B</i>
USMPDI-038SC-A-13-14-201103 (A0K0167-03RE1)			Matrix: SE		Batch: 0110505		C-05	
2,4'-DDD	18.4	3.51	7.01	ug/kg dry	2	11/18/20 23:35	EPA 8081B	
2,4'-DDE	ND	12.3	12.3	ug/kg dry	2	11/18/20 23:35	EPA 8081B	R-02
2,4'-DDT	ND	3.51	7.01	ug/kg dry	2	11/18/20 23:35	EPA 8081B	
4,4'-DDD	70.3	3.51	7.01	ug/kg dry	2	11/18/20 23:35	EPA 8081B	
4,4'-DDE	23.5	3.51	7.01	ug/kg dry	2	11/18/20 23:35	EPA 8081B	
4,4'-DDT	ND	7.01	7.01	ug/kg dry	2	11/18/20 23:35	EPA 8081B	
<i>Surrogate: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 56 %</i>		<i>Limits: 42-129 %</i>		<i>2</i>	<i>11/18/20 23:35</i>	<i>EPA 8081B</i>
<i>Decachlorobiphenyl (Surr)</i>		<i>97 %</i>		<i>55-130 %</i>		<i>2</i>	<i>11/18/20 23:35</i>	<i>EPA 8081B</i>
USMPDI-038SC-A-14-15-201103 (A0K0167-04RE1)			Matrix: SE		Batch: 0110505		C-05	
2,4'-DDD	53.5	3.27	6.55	ug/kg dry	2	11/18/20 21:45	EPA 8081B	
2,4'-DDE	ND	23.2	23.2	ug/kg dry	2	11/18/20 21:45	EPA 8081B	R-02
2,4'-DDT	ND	6.55	6.55	ug/kg dry	2	11/18/20 21:45	EPA 8081B	
4,4'-DDD	221	3.27	6.55	ug/kg dry	2	11/18/20 21:45	EPA 8081B	

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Darwin Thomas, Business Development Director



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503-718-2323
ORELAP ID: OR100062

Anchor QEA, LLC 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: US Moorings -- C2, C3, C4 Project Number: [none] Project Manager: Delaney Peterson	Report ID: A0K0167 - 08 16 21 1242
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ANALYTICAL SAMPLE RESULTS

Organochlorine Pesticides by EPA 8081B

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
USMPDI-038SC-A-14-15-201103 (A0K0167-04RE1)			Matrix: SE		Batch: 0110505		C-05	
4,4'-DDE	29.0	3.27	6.55	ug/kg dry	2	11/18/20 21:45	EPA 8081B	P-11
4,4'-DDT	179	3.27	6.55	ug/kg dry	2	11/18/20 21:45	EPA 8081B	
<i>Surrogate: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 56 %</i>		<i>Limits: 42-129 %</i>		<i>2</i>	<i>11/18/20 21:45</i>	<i>EPA 8081B</i>
<i>Decachlorobiphenyl (Surr)</i>		<i>100 %</i>		<i>55-130 %</i>		<i>2</i>	<i>11/18/20 21:45</i>	<i>EPA 8081B</i>
USMPDI-038SC-B-00-02-201103 (A0K0167-06RE1)			Matrix: SE		Batch: 0110505		C-05	
2,4'-DDD	ND	2.26	4.53	ug/kg dry	1	11/16/20 21:21	EPA 8081B	
2,4'-DDE	ND	4.53	4.53	ug/kg dry	1	11/16/20 21:21	EPA 8081B	
2,4'-DDT	ND	2.26	4.53	ug/kg dry	1	11/16/20 21:21	EPA 8081B	
4,4'-DDD	4.30	2.26	4.53	ug/kg dry	1	11/16/20 21:21	EPA 8081B	J, P-11
4,4'-DDE	ND	4.53	4.53	ug/kg dry	1	11/16/20 21:21	EPA 8081B	
4,4'-DDT	ND	2.26	4.53	ug/kg dry	1	11/16/20 21:21	EPA 8081B	
<i>Surrogate: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 52 %</i>		<i>Limits: 42-129 %</i>		<i>1</i>	<i>11/16/20 21:21</i>	<i>EPA 8081B</i>
<i>Decachlorobiphenyl (Surr)</i>		<i>80 %</i>		<i>55-130 %</i>		<i>1</i>	<i>11/16/20 21:21</i>	<i>EPA 8081B</i>
USMPDI-038SC-B-02-04-201103 (A0K0167-07RE1)			Matrix: SE		Batch: 0110505		C-05	
2,4'-DDD	ND	4.16	4.16	ug/kg dry	1	11/16/20 21:38	EPA 8081B	
2,4'-DDE	ND	2.08	4.16	ug/kg dry	1	11/16/20 21:38	EPA 8081B	
2,4'-DDT	ND	2.08	4.16	ug/kg dry	1	11/16/20 21:38	EPA 8081B	
4,4'-DDD	9.32	2.08	4.16	ug/kg dry	1	11/16/20 21:38	EPA 8081B	P-11
4,4'-DDE	3.16	2.08	4.16	ug/kg dry	1	11/16/20 21:38	EPA 8081B	J
4,4'-DDT	ND	2.08	4.16	ug/kg dry	1	11/16/20 21:38	EPA 8081B	
<i>Surrogate: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 44 %</i>		<i>Limits: 42-129 %</i>		<i>1</i>	<i>11/16/20 21:38</i>	<i>EPA 8081B</i>
<i>Decachlorobiphenyl (Surr)</i>		<i>81 %</i>		<i>55-130 %</i>		<i>1</i>	<i>11/16/20 21:38</i>	<i>EPA 8081B</i>
USMPDI-038SC-B-04-06-201103 (A0K0167-08RE1)			Matrix: SE		Batch: 0110505		C-05	
2,4'-DDD	ND	4.11	4.11	ug/kg dry	1	11/16/20 22:11	EPA 8081B	R-02
2,4'-DDE	ND	3.57	3.57	ug/kg dry	1	11/16/20 22:11	EPA 8081B	
2,4'-DDT	ND	1.78	3.57	ug/kg dry	1	11/16/20 22:11	EPA 8081B	
4,4'-DDD	15.1	1.78	3.57	ug/kg dry	1	11/16/20 22:11	EPA 8081B	
4,4'-DDE	5.05	1.78	3.57	ug/kg dry	1	11/16/20 22:11	EPA 8081B	
4,4'-DDT	ND	1.78	3.57	ug/kg dry	1	11/16/20 22:11	EPA 8081B	
<i>Surrogate: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 40 %</i>		<i>Limits: 42-129 %</i>		<i>1</i>	<i>11/16/20 22:11</i>	<i>EPA 8081B</i>
<i>Decachlorobiphenyl (Surr)</i>		<i>84 %</i>		<i>55-130 %</i>		<i>1</i>	<i>11/16/20 22:11</i>	<i>EPA 8081B</i>

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Darwin Thomas, Business Development Director



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Anchor QEA, LLC 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: US Moorings -- C2, C3, C4 Project Number: [none] Project Manager: Delaney Peterson	Report ID: A0K0167 - 08 16 21 1242
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ANALYTICAL SAMPLE RESULTS

Organochlorine Pesticides by EPA 8081B

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
USMPDI-038SC-B-06-08-201103 (A0K0167-09RE1)			Matrix: SE		Batch: 0110505		C-05	
2,4'-DDD	ND	4.59	4.59	ug/kg dry	1	11/16/20 22:28	EPA 8081B	R-02
2,4'-DDE	ND	3.67	3.67	ug/kg dry	1	11/16/20 22:28	EPA 8081B	
2,4'-DDT	ND	3.67	3.67	ug/kg dry	1	11/16/20 22:28	EPA 8081B	
4,4'-DDD	20.9	1.84	3.67	ug/kg dry	1	11/16/20 22:28	EPA 8081B	
4,4'-DDE	6.57	1.84	3.67	ug/kg dry	1	11/16/20 22:28	EPA 8081B	
4,4'-DDT	123	1.84	3.67	ug/kg dry	1	11/16/20 22:28	EPA 8081B	
<i>Surrogate: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 52 %</i>		<i>Limits: 42-129 %</i>		<i>1</i>	<i>11/16/20 22:28</i>	<i>EPA 8081B</i>
<i>Decachlorobiphenyl (Surr)</i>		<i>88 %</i>		<i>55-130 %</i>		<i>1</i>	<i>11/16/20 22:28</i>	<i>EPA 8081B</i>

USMPDI-038SC-B-08-10-201103 (A0K0167-10RE1)			Matrix: SE		Batch: 0110505		C-05	
2,4'-DDD	ND	5.73	5.73	ug/kg dry	1	11/16/20 22:44	EPA 8081B	R-02
2,4'-DDE	ND	4.39	4.39	ug/kg dry	1	11/16/20 22:44	EPA 8081B	R-02
2,4'-DDT	ND	1.69	3.37	ug/kg dry	1	11/16/20 22:44	EPA 8081B	
4,4'-DDD	16.9	1.69	3.37	ug/kg dry	1	11/16/20 22:44	EPA 8081B	P-11
4,4'-DDE	8.28	1.69	3.37	ug/kg dry	1	11/16/20 22:44	EPA 8081B	
4,4'-DDT	ND	3.71	3.71	ug/kg dry	1	11/16/20 22:44	EPA 8081B	R-02
<i>Surrogate: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 48 %</i>		<i>Limits: 42-129 %</i>		<i>1</i>	<i>11/16/20 22:44</i>	<i>EPA 8081B</i>
<i>Decachlorobiphenyl (Surr)</i>		<i>90 %</i>		<i>55-130 %</i>		<i>1</i>	<i>11/16/20 22:44</i>	<i>EPA 8081B</i>

USMPDI-040SC-A-05-06-201103 (A0K0167-14RE1)			Matrix: SE		Batch: 0110505		C-05	
2,4'-DDD	23.9	3.12	6.24	ug/kg dry	2	11/18/20 21:08	EPA 8081B	
2,4'-DDE	ND	9.67	9.67	ug/kg dry	2	11/18/20 21:08	EPA 8081B	R-02
2,4'-DDT	ND	3.12	6.24	ug/kg dry	2	11/18/20 21:08	EPA 8081B	
4,4'-DDD	44.8	3.12	6.24	ug/kg dry	2	11/18/20 21:08	EPA 8081B	
4,4'-DDE	ND	7.18	7.18	ug/kg dry	2	11/18/20 21:08	EPA 8081B	R-02
4,4'-DDT	ND	3.12	6.24	ug/kg dry	2	11/18/20 21:08	EPA 8081B	
<i>Surrogate: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 56 %</i>		<i>Limits: 42-129 %</i>		<i>2</i>	<i>11/18/20 21:08</i>	<i>EPA 8081B</i>
<i>Decachlorobiphenyl (Surr)</i>		<i>94 %</i>		<i>55-130 %</i>		<i>2</i>	<i>11/18/20 21:08</i>	<i>EPA 8081B</i>

USMPDI-040SC-A-06-07-201103 (A0K0167-15RE1)			Matrix: SE		Batch: 0110505		C-05, R-04	
2,4'-DDD	ND	3.02	6.04	ug/kg dry	2	11/18/20 19:54	EPA 8081B	
2,4'-DDE	ND	3.02	6.04	ug/kg dry	2	11/18/20 19:54	EPA 8081B	
2,4'-DDT	ND	3.02	6.04	ug/kg dry	2	11/18/20 19:54	EPA 8081B	

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ANALYTICAL REPORT

AMENDED REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062

Anchor QEA, LLC 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: US Moorings -- C2, C3, C4 Project Number: [none] Project Manager: Delaney Peterson	Report ID: A0K0167 - 08 16 21 1242
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ANALYTICAL SAMPLE RESULTS

Organochlorine Pesticides by EPA 8081B

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
USMPDI-040SC-A-06-07-201103 (A0K0167-15RE1)				Matrix: SE		Batch: 0110505		C-05, R-04
4,4'-DDD	ND	3.02	6.04	ug/kg dry	2	11/18/20 19:54	EPA 8081B	
4,4'-DDE	ND	3.02	6.04	ug/kg dry	2	11/18/20 19:54	EPA 8081B	
4,4'-DDT	ND	3.02	6.04	ug/kg dry	2	11/18/20 19:54	EPA 8081B	
<i>Surrogate: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 60 %</i>		<i>Limits: 42-129 %</i>		<i>2</i>	<i>11/18/20 19:54</i>	<i>EPA 8081B</i>
<i>Decachlorobiphenyl (Surr)</i>		<i>99 %</i>		<i>55-130 %</i>		<i>2</i>	<i>11/18/20 19:54</i>	<i>EPA 8081B</i>
USMPDI-040SC-A-07-08-201103 (A0K0167-16RE1)				Matrix: SE		Batch: 0110505		C-05
2,4'-DDD	ND	1.43	2.86	ug/kg dry	1	11/16/20 23:18	EPA 8081B	
2,4'-DDE	ND	1.43	2.86	ug/kg dry	1	11/16/20 23:18	EPA 8081B	
2,4'-DDT	ND	1.43	2.86	ug/kg dry	1	11/16/20 23:18	EPA 8081B	
4,4'-DDD	ND	1.43	2.86	ug/kg dry	1	11/16/20 23:18	EPA 8081B	
4,4'-DDE	ND	1.43	2.86	ug/kg dry	1	11/16/20 23:18	EPA 8081B	
4,4'-DDT	ND	1.43	2.86	ug/kg dry	1	11/16/20 23:18	EPA 8081B	
<i>Surrogate: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 56 %</i>		<i>Limits: 42-129 %</i>		<i>1</i>	<i>11/16/20 23:18</i>	<i>EPA 8081B</i>
<i>Decachlorobiphenyl (Surr)</i>		<i>90 %</i>		<i>55-130 %</i>		<i>1</i>	<i>11/16/20 23:18</i>	<i>EPA 8081B</i>
USMPDI-040SC-A-08-09-201103 (A0K0167-17RE1)				Matrix: SE		Batch: 0110505		C-05
2,4'-DDD	ND	1.22	2.44	ug/kg dry	1	11/16/20 21:55	EPA 8081B	
2,4'-DDE	ND	1.22	2.44	ug/kg dry	1	11/16/20 21:55	EPA 8081B	
2,4'-DDT	ND	1.22	2.44	ug/kg dry	1	11/16/20 21:55	EPA 8081B	
4,4'-DDD	ND	1.22	2.44	ug/kg dry	1	11/16/20 21:55	EPA 8081B	
4,4'-DDE	ND	1.22	2.44	ug/kg dry	1	11/16/20 21:55	EPA 8081B	
4,4'-DDT	ND	1.22	2.44	ug/kg dry	1	11/16/20 21:55	EPA 8081B	
<i>Surrogate: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 53 %</i>		<i>Limits: 42-129 %</i>		<i>1</i>	<i>11/16/20 21:55</i>	<i>EPA 8081B</i>
<i>Decachlorobiphenyl (Surr)</i>		<i>83 %</i>		<i>55-130 %</i>		<i>1</i>	<i>11/16/20 21:55</i>	<i>EPA 8081B</i>
USMPDI-1040SC-A-08-09-201103 (A0K0167-18RE1)				Matrix: SE		Batch: 0110505		C-05
2,4'-DDD	ND	1.24	2.48	ug/kg dry	1	11/16/20 23:01	EPA 8081B	
2,4'-DDE	ND	1.24	2.48	ug/kg dry	1	11/16/20 23:01	EPA 8081B	
2,4'-DDT	ND	1.24	2.48	ug/kg dry	1	11/16/20 23:01	EPA 8081B	
4,4'-DDD	ND	1.24	2.48	ug/kg dry	1	11/16/20 23:01	EPA 8081B	
4,4'-DDE	ND	1.24	2.48	ug/kg dry	1	11/16/20 23:01	EPA 8081B	
4,4'-DDT	ND	1.24	2.48	ug/kg dry	1	11/16/20 23:01	EPA 8081B	
<i>Surrogate: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 56 %</i>		<i>Limits: 42-129 %</i>		<i>1</i>	<i>11/16/20 23:01</i>	<i>EPA 8081B</i>

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ANALYTICAL SAMPLE RESULTS

Organochlorine Pesticides by EPA 8081B

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
USMPDI-1040SC-A-08-09-201103 (A0K0167-18RE1)				Matrix: SE		Batch: 0110505		C-05
<i>Surrogate: Decachlorobiphenyl (Surr)</i>		<i>Recovery: 99 %</i>		<i>Limits: 55-130 %</i>		<i>1</i>	<i>11/16/20 23:01</i>	<i>EPA 8081B</i>
USMPDI-040SC-B-00-02-201103 (A0K0167-19RE1)				Matrix: SE		Batch: 0110505		C-05
2,4'-DDD	ND	7.89	7.89	ug/kg dry	2	11/18/20 20:31	EPA 8081B	AMEND
2,4'-DDE	ND	7.89	7.89	ug/kg dry	2	11/18/20 20:31	EPA 8081B	AMEND
2,4'-DDT	ND	3.94	7.89	ug/kg dry	2	11/18/20 20:31	EPA 8081B	AMEND
4,4'-DDD	16.7	3.94	7.89	ug/kg dry	2	11/18/20 20:31	EPA 8081B	P-11, AMEND
4,4'-DDE	14.1	3.94	7.89	ug/kg dry	2	11/18/20 20:31	EPA 8081B	AMEND
4,4'-DDT	ND	7.89	7.89	ug/kg dry	2	11/18/20 20:31	EPA 8081B	AMEND
<i>Surrogate: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 61 %</i>		<i>Limits: 42-129 %</i>		<i>2</i>	<i>11/18/20 20:31</i>	<i>EPA 8081B</i>
<i>Decachlorobiphenyl (Surr)</i>		<i>93 %</i>		<i>55-130 %</i>		<i>2</i>	<i>11/18/20 20:31</i>	<i>EPA 8081B</i>
USMPDI-040SC-B-02-04-201103 (A0K0167-20RE1)				Matrix: SE		Batch: 0110504		C-05
2,4'-DDD	49.9	3.64	7.28	ug/kg dry	2	11/19/20 19:23	EPA 8081B	
2,4'-DDE	ND	45.5	45.5	ug/kg dry	2	11/19/20 19:23	EPA 8081B	R-02
2,4'-DDT	ND	7.28	7.28	ug/kg dry	2	11/19/20 19:23	EPA 8081B	
4,4'-DDD	215	3.64	7.28	ug/kg dry	2	11/19/20 19:23	EPA 8081B	
4,4'-DDE	51.7	3.64	7.28	ug/kg dry	2	11/19/20 19:23	EPA 8081B	P-11
4,4'-DDT	64.3	3.64	7.28	ug/kg dry	2	11/19/20 19:23	EPA 8081B	Q-39
<i>Surrogate: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 83 %</i>		<i>Limits: 42-129 %</i>		<i>2</i>	<i>11/19/20 19:23</i>	<i>EPA 8081B</i>
<i>Decachlorobiphenyl (Surr)</i>		<i>108 %</i>		<i>55-130 %</i>		<i>2</i>	<i>11/19/20 19:23</i>	<i>EPA 8081B</i>
USMPDI-040SC-B-10-12-201103 (A0K0167-24RE1)				Matrix: SE		Batch: 0110504		C-05
2,4'-DDD	ND	1.30	2.60	ug/kg dry	1	11/16/20 15:27	EPA 8081B	
2,4'-DDE	ND	1.30	2.60	ug/kg dry	1	11/16/20 15:27	EPA 8081B	
2,4'-DDT	ND	1.30	2.60	ug/kg dry	1	11/16/20 15:27	EPA 8081B	
4,4'-DDD	ND	1.30	2.60	ug/kg dry	1	11/16/20 15:27	EPA 8081B	
4,4'-DDE	ND	1.30	2.60	ug/kg dry	1	11/16/20 15:27	EPA 8081B	
4,4'-DDT	ND	1.30	2.60	ug/kg dry	1	11/16/20 15:27	EPA 8081B	
<i>Surrogate: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 54 %</i>		<i>Limits: 42-129 %</i>		<i>1</i>	<i>11/16/20 15:27</i>	<i>EPA 8081B</i>
<i>Decachlorobiphenyl (Surr)</i>		<i>97 %</i>		<i>55-130 %</i>		<i>1</i>	<i>11/16/20 15:27</i>	<i>EPA 8081B</i>
USMPDI-040SC-B-12-14-201103 (A0K0167-25RE1)				Matrix: SE		Batch: 0110504		C-05
2,4'-DDD	ND	1.18	2.36	ug/kg dry	1	11/16/20 15:44	EPA 8081B	

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Anchor QEA, LLC 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: US Moorings -- C2, C3, C4 Project Number: [none] Project Manager: Delaney Peterson	Report ID: A0K0167 - 08 16 21 1242
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ANALYTICAL SAMPLE RESULTS

Organochlorine Pesticides by EPA 8081B

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
USMPDI-040SC-B-12-14-201103 (A0K0167-25RE1)				Matrix: SE		Batch: 0110504		C-05
2,4'-DDE	ND	1.18	2.36	ug/kg dry	1	11/16/20 15:44	EPA 8081B	
2,4'-DDT	ND	1.18	2.36	ug/kg dry	1	11/16/20 15:44	EPA 8081B	
4,4'-DDD	ND	1.18	2.36	ug/kg dry	1	11/16/20 15:44	EPA 8081B	
4,4'-DDE	ND	1.18	2.36	ug/kg dry	1	11/16/20 15:44	EPA 8081B	
4,4'-DDT	ND	1.18	2.36	ug/kg dry	1	11/16/20 15:44	EPA 8081B	
<i>Surrogate: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 51 %</i>		<i>Limits: 42-129 %</i>		<i>1</i>	<i>11/16/20 15:44</i>	<i>EPA 8081B</i>
<i>Decachlorobiphenyl (Surr)</i>		<i>88 %</i>		<i>55-130 %</i>		<i>1</i>	<i>11/16/20 15:44</i>	<i>EPA 8081B</i>
USMPDI-1040SC-B-10-12-201103 (A0K0167-26RE1)				Matrix: SE		Batch: 0110504		C-05
2,4'-DDD	ND	1.33	2.65	ug/kg dry	1	11/16/20 16:01	EPA 8081B	
2,4'-DDE	ND	1.33	2.65	ug/kg dry	1	11/16/20 16:01	EPA 8081B	
2,4'-DDT	ND	1.33	2.65	ug/kg dry	1	11/16/20 16:01	EPA 8081B	
4,4'-DDD	ND	1.33	2.65	ug/kg dry	1	11/16/20 16:01	EPA 8081B	
4,4'-DDE	ND	1.33	2.65	ug/kg dry	1	11/16/20 16:01	EPA 8081B	
4,4'-DDT	ND	1.33	2.65	ug/kg dry	1	11/16/20 16:01	EPA 8081B	
<i>Surrogate: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 55 %</i>		<i>Limits: 42-129 %</i>		<i>1</i>	<i>11/16/20 16:01</i>	<i>EPA 8081B</i>
<i>Decachlorobiphenyl (Surr)</i>		<i>92 %</i>		<i>55-130 %</i>		<i>1</i>	<i>11/16/20 16:01</i>	<i>EPA 8081B</i>
USMPDI-048SC-A-12-13-201103 (A0K0167-27RE1)				Matrix: SE		Batch: 0110504		C-05, R-04
2,4'-DDD	ND	2.94	5.88	ug/kg dry	2	11/19/20 20:29	EPA 8081B	
2,4'-DDE	ND	10.6	10.6	ug/kg dry	2	11/19/20 20:29	EPA 8081B	R-02
2,4'-DDT	ND	2.94	5.88	ug/kg dry	2	11/19/20 20:29	EPA 8081B	
4,4'-DDD	ND	2.94	5.88	ug/kg dry	2	11/19/20 20:29	EPA 8081B	
4,4'-DDE	ND	5.88	5.88	ug/kg dry	2	11/19/20 20:29	EPA 8081B	
4,4'-DDT	ND	2.94	5.88	ug/kg dry	2	11/19/20 20:29	EPA 8081B	
<i>Surrogate: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 79 %</i>		<i>Limits: 42-129 %</i>		<i>2</i>	<i>11/19/20 20:29</i>	<i>EPA 8081B</i>
<i>Decachlorobiphenyl (Surr)</i>		<i>103 %</i>		<i>55-130 %</i>		<i>2</i>	<i>11/19/20 20:29</i>	<i>EPA 8081B</i>
USMPDI-048SC-A-13-14-201103 (A0K0167-28RE1)				Matrix: SE		Batch: 0110504		C-05, R-04
2,4'-DDD	ND	9.25	9.25	ug/kg dry	2	11/19/20 17:06	EPA 8081B	R-02
2,4'-DDE	ND	23.8	23.8	ug/kg dry	2	11/19/20 17:06	EPA 8081B	R-02
2,4'-DDT	ND	8.95	8.95	ug/kg dry	2	11/19/20 17:06	EPA 8081B	R-02
4,4'-DDD	ND	6.79	6.79	ug/kg dry	2	11/19/20 17:06	EPA 8081B	R-02
4,4'-DDE	ND	7.71	7.71	ug/kg dry	2	11/19/20 17:06	EPA 8081B	R-02

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ANALYTICAL SAMPLE RESULTS

Organochlorine Pesticides by EPA 8081B

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
USMPDI-048SC-A-13-14-201103 (A0K0167-28RE1)				Matrix: SE		Batch: 0110504		C-05, R-04
4,4'-DDT	ND	6.48	6.48	ug/kg dry	2	11/19/20 17:06	EPA 8081B	R-02
<i>Surrogate: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 84 %</i>		<i>Limits: 42-129 %</i>		<i>2</i>	<i>11/19/20 17:06</i>	<i>EPA 8081B</i>
<i>Decachlorobiphenyl (Surr)</i>		<i>106 %</i>		<i>55-130 %</i>		<i>2</i>	<i>11/19/20 17:06</i>	<i>EPA 8081B</i>
USMPDI-048SC-A-14-15-201103 (A0K0167-29RE1)				Matrix: SE		Batch: 0110504		C-05
2,4'-DDD	ND	1.35	2.71	ug/kg dry	1	11/16/20 16:18	EPA 8081B	
2,4'-DDE	ND	1.35	2.71	ug/kg dry	1	11/16/20 16:18	EPA 8081B	
2,4'-DDT	ND	1.35	2.71	ug/kg dry	1	11/16/20 16:18	EPA 8081B	
4,4'-DDD	ND	1.35	2.71	ug/kg dry	1	11/16/20 16:18	EPA 8081B	
4,4'-DDE	ND	1.35	2.71	ug/kg dry	1	11/16/20 16:18	EPA 8081B	
4,4'-DDT	ND	1.35	2.71	ug/kg dry	1	11/16/20 16:18	EPA 8081B	
<i>Surrogate: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 57 %</i>		<i>Limits: 42-129 %</i>		<i>1</i>	<i>11/16/20 16:18</i>	<i>EPA 8081B</i>
<i>Decachlorobiphenyl (Surr)</i>		<i>91 %</i>		<i>55-130 %</i>		<i>1</i>	<i>11/16/20 16:18</i>	<i>EPA 8081B</i>
USMPDI-048SC-A-15-16-201103 (A0K0167-30RE1)				Matrix: SE		Batch: 0110505		C-05
2,4'-DDD	ND	1.38	2.75	ug/kg dry	1	11/16/20 19:42	EPA 8081B	
2,4'-DDE	ND	1.38	2.75	ug/kg dry	1	11/16/20 19:42	EPA 8081B	
2,4'-DDT	ND	1.38	2.75	ug/kg dry	1	11/16/20 19:42	EPA 8081B	
4,4'-DDD	ND	1.38	2.75	ug/kg dry	1	11/16/20 19:42	EPA 8081B	
4,4'-DDE	ND	1.38	2.75	ug/kg dry	1	11/16/20 19:42	EPA 8081B	
4,4'-DDT	ND	1.38	2.75	ug/kg dry	1	11/16/20 19:42	EPA 8081B	
<i>Surrogate: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 60 %</i>		<i>Limits: 42-129 %</i>		<i>1</i>	<i>11/16/20 19:42</i>	<i>EPA 8081B</i>
<i>Decachlorobiphenyl (Surr)</i>		<i>80 %</i>		<i>55-130 %</i>		<i>1</i>	<i>11/16/20 19:42</i>	<i>EPA 8081B</i>
USMPDI-048SC-B-00-02-201103 (A0K0167-31RE1)				Matrix: SE		Batch: 0110504		C-05
2,4'-DDD	ND	10.3	10.3	ug/kg dry	1	11/16/20 18:40	EPA 8081B	R-02
2,4'-DDE	ND	27.4	27.4	ug/kg dry	1	11/16/20 18:40	EPA 8081B	R-02
2,4'-DDT	ND	2.14	4.28	ug/kg dry	1	11/16/20 18:40	EPA 8081B	
4,4'-DDD	22.7	2.14	4.28	ug/kg dry	1	11/16/20 18:40	EPA 8081B	Q-41, P-11
4,4'-DDE	ND	13.9	13.9	ug/kg dry	1	11/16/20 18:40	EPA 8081B	R-02
4,4'-DDT	ND	6.68	6.68	ug/kg dry	1	11/16/20 18:40	EPA 8081B	R-02
<i>Surrogate: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 75 %</i>		<i>Limits: 42-129 %</i>		<i>1</i>	<i>11/16/20 18:40</i>	<i>EPA 8081B</i>
<i>Decachlorobiphenyl (Surr)</i>		<i>90 %</i>		<i>55-130 %</i>		<i>1</i>	<i>11/16/20 18:40</i>	<i>EPA 8081B</i>

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Darwin Thomas, Business Development Director



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ANALYTICAL SAMPLE RESULTS

Organochlorine Pesticides by EPA 8081B

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
USMPDI-048SC-B-02-04-201103 (A0K0167-32RE1)				Matrix: SE		Batch: 0110504		C-05
2,4'-DDD	ND	13.6	13.6	ug/kg dry	1	11/16/20 19:18	EPA 8081B	R-02
2,4'-DDE	16.9	16.9	16.9	ug/kg dry	1	11/16/20 19:18	EPA 8081B	R-02
2,4'-DDT	ND	8.85	8.85	ug/kg dry	1	11/16/20 19:18	EPA 8081B	R-02
4,4'-DDD	49.2	1.81	3.61	ug/kg dry	1	11/16/20 19:18	EPA 8081B	
4,4'-DDE	18.6	1.81	3.61	ug/kg dry	1	11/16/20 19:18	EPA 8081B	
4,4'-DDT	ND	9.39	9.39	ug/kg dry	1	11/16/20 19:18	EPA 8081B	R-02
<i>Surrogate: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 77 %</i>		<i>Limits: 42-129 %</i>		<i>1</i>	<i>11/16/20 19:18</i>	<i>EPA 8081B</i>
<i>Decachlorobiphenyl (Surr)</i>		<i>94 %</i>		<i>55-130 %</i>		<i>1</i>	<i>11/16/20 19:18</i>	<i>EPA 8081B</i>
USMPDI-048SC-B-04-06-201103 (A0K0167-33RE1)				Matrix: SE		Batch: 0110504		C-05
2,4'-DDD	ND	16.3	16.3	ug/kg dry	2	11/19/20 18:12	EPA 8081B	R-02
2,4'-DDE	ND	16.3	16.3	ug/kg dry	2	11/19/20 18:12	EPA 8081B	R-02
2,4'-DDT	ND	6.97	6.97	ug/kg dry	2	11/19/20 18:12	EPA 8081B	R-02
4,4'-DDD	39.0	3.32	6.64	ug/kg dry	2	11/19/20 18:12	EPA 8081B	
4,4'-DDE	19.0	3.32	6.64	ug/kg dry	2	11/19/20 18:12	EPA 8081B	
4,4'-DDT	ND	9.96	9.96	ug/kg dry	2	11/19/20 18:12	EPA 8081B	R-02
<i>Surrogate: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 83 %</i>		<i>Limits: 42-129 %</i>		<i>2</i>	<i>11/19/20 18:12</i>	<i>EPA 8081B</i>
<i>Decachlorobiphenyl (Surr)</i>		<i>110 %</i>		<i>55-130 %</i>		<i>2</i>	<i>11/19/20 18:12</i>	<i>EPA 8081B</i>
USMPDI-048SC-B-06-08-201103 (A0K0167-34RE1)				Matrix: SE		Batch: 0110504		C-05
2,4'-DDD	34.5	3.45	6.90	ug/kg dry	2	11/19/20 18:45	EPA 8081B	
2,4'-DDE	ND	32.8	32.8	ug/kg dry	2	11/19/20 18:45	EPA 8081B	R-02
2,4'-DDT	ND	9.66	9.66	ug/kg dry	2	11/19/20 18:45	EPA 8081B	R-02
4,4'-DDD	133	3.45	6.90	ug/kg dry	2	11/19/20 18:45	EPA 8081B	
4,4'-DDE	35.0	3.45	6.90	ug/kg dry	2	11/19/20 18:45	EPA 8081B	
4,4'-DDT	ND	20.4	20.4	ug/kg dry	2	11/19/20 18:45	EPA 8081B	R-02
<i>Surrogate: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 92 %</i>		<i>Limits: 42-129 %</i>		<i>2</i>	<i>11/19/20 18:45</i>	<i>EPA 8081B</i>
<i>Decachlorobiphenyl (Surr)</i>		<i>115 %</i>		<i>55-130 %</i>		<i>2</i>	<i>11/19/20 18:45</i>	<i>EPA 8081B</i>
USMPDI-048SC-B-08-10-201103 (A0K0167-35RE1)				Matrix: SE		Batch: 0110504		C-05
2,4'-DDD	66.3	1.61	3.22	ug/kg dry	1	11/16/20 18:02	EPA 8081B	
2,4'-DDE	34.5	1.61	3.22	ug/kg dry	1	11/16/20 18:02	EPA 8081B	
2,4'-DDT	ND	6.21	6.21	ug/kg dry	1	11/16/20 18:02	EPA 8081B	R-02
4,4'-DDD	239	1.61	3.22	ug/kg dry	1	11/16/20 18:02	EPA 8081B	

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ANALYTICAL REPORT

AMENDED REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062

Anchor QEA, LLC 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: US Moorings -- C2, C3, C4 Project Number: [none] Project Manager: Delaney Peterson	Report ID: A0K0167 - 08 16 21 1242
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ANALYTICAL SAMPLE RESULTS

Organochlorine Pesticides by EPA 8081B

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
USMPDI-048SC-B-08-10-201103 (A0K0167-35RE1)			Matrix: SE		Batch: 0110504		C-05	
4,4'-DDE	21.8	1.61	3.22	ug/kg dry	1	11/16/20 18:02	EPA 8081B	P-11
4,4'-DDT	123	1.61	3.22	ug/kg dry	1	11/16/20 18:02	EPA 8081B	
<i>Surrogate: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 103 %</i>		<i>Limits: 42-129 %</i>		<i>1</i>	<i>11/16/20 18:02</i>	<i>EPA 8081B</i>
<i>Decachlorobiphenyl (Surr)</i>		<i>100 %</i>		<i>55-130 %</i>		<i>1</i>	<i>11/16/20 18:02</i>	<i>EPA 8081B</i>
USMPDI-048SC-B-10-12-201103 (A0K0167-36RE1)			Matrix: SE		Batch: 0110504		C-05	
2,4'-DDD	87.5	8.27	16.5	ug/kg dry	5	11/19/20 17:39	EPA 8081B	
2,4'-DDE	ND	47.1	47.1	ug/kg dry	5	11/19/20 17:39	EPA 8081B	R-02
2,4'-DDT	ND	16.5	16.5	ug/kg dry	5	11/19/20 17:39	EPA 8081B	
4,4'-DDD	172	8.27	16.5	ug/kg dry	5	11/19/20 17:39	EPA 8081B	
4,4'-DDE	26.8	8.27	16.5	ug/kg dry	5	11/19/20 17:39	EPA 8081B	P-11
4,4'-DDT	ND	8.27	16.5	ug/kg dry	5	11/19/20 17:39	EPA 8081B	
<i>Surrogate: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 122 %</i>		<i>Limits: 42-129 %</i>		<i>5</i>	<i>11/19/20 17:39</i>	<i>EPA 8081B</i>
<i>Decachlorobiphenyl (Surr)</i>		<i>105 %</i>		<i>55-130 %</i>		<i>5</i>	<i>11/19/20 17:39</i>	<i>EPA 8081B</i>

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Darwin Thomas, Business Development Director



ANALYTICAL REPORT

AMENDED REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062

Anchor QEA, LLC 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: US Moorings -- C2, C3, C4 Project Number: [none] Project Manager: Delaney Peterson	Report ID: A0K0167 - 08 16 21 1242
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ANALYTICAL SAMPLE RESULTS

Semivolatile Organic Compounds by EPA 8270E

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes	
USMPDI-038SC-A-12-13-201103 (A0K0167-02)			Matrix: SE		Batch: 0110447				
Acenaphthene	6490	205	410	ug/kg dry	100	11/23/20 16:44	EPA 8270E		
Acenaphthylene	ND	969	969	ug/kg dry	100	11/23/20 16:44	EPA 8270E	R-02	
Anthracene	6600	205	410	ug/kg dry	100	11/23/20 16:44	EPA 8270E		
Benz(a)anthracene	4410	205	410	ug/kg dry	100	11/23/20 16:44	EPA 8270E		
Benzo(a)pyrene	6170	205	410	ug/kg dry	100	11/23/20 16:44	EPA 8270E		
Benzo(b)fluoranthene	4620	205	410	ug/kg dry	100	11/23/20 16:44	EPA 8270E		
Benzo(k)fluoranthene	1750	205	410	ug/kg dry	100	11/23/20 16:44	EPA 8270E	M-05	
Benzo(g,h,i)perylene	4140	205	410	ug/kg dry	100	11/23/20 16:44	EPA 8270E		
Chrysene	5490	205	410	ug/kg dry	100	11/23/20 16:44	EPA 8270E		
Dibenz(a,h)anthracene	389	205	410	ug/kg dry	100	11/23/20 16:44	EPA 8270E	J	
Fluoranthene	14700	205	410	ug/kg dry	100	11/23/20 16:44	EPA 8270E		
Fluorene	5880	205	410	ug/kg dry	100	11/23/20 16:44	EPA 8270E		
Indeno(1,2,3-cd)pyrene	3290	205	410	ug/kg dry	100	11/23/20 16:44	EPA 8270E		
2-Methylnaphthalene	2940	205	410	ug/kg dry	100	11/23/20 16:44	EPA 8270E		
Naphthalene	3510	205	410	ug/kg dry	100	11/23/20 16:44	EPA 8270E		
Phenanthrene	27900	205	410	ug/kg dry	100	11/23/20 16:44	EPA 8270E		
Pyrene	16500	205	410	ug/kg dry	100	11/23/20 16:44	EPA 8270E		
<i>Surrogate: 2-Fluorobiphenyl (Surr)</i>		<i>Recovery: 95 %</i>		<i>Limits: 44-120 %</i>		<i>100</i>	<i>11/23/20 16:44</i>	<i>EPA 8270E</i>	<i>S-05</i>
<i>p-Terphenyl-d14 (Surr)</i>		<i>90 %</i>		<i>54-127 %</i>		<i>100</i>	<i>11/23/20 16:44</i>	<i>EPA 8270E</i>	<i>S-05</i>

USMPDI-038SC-A-13-14-201103 (A0K0167-03)			Matrix: SE		Batch: 0110447			
Acenaphthene	3520	214	428	ug/kg dry	100	11/23/20 17:16	EPA 8270E	
Acenaphthylene	ND	599	599	ug/kg dry	100	11/23/20 17:16	EPA 8270E	R-02
Anthracene	3170	214	428	ug/kg dry	100	11/23/20 17:16	EPA 8270E	
Benz(a)anthracene	3660	214	428	ug/kg dry	100	11/23/20 17:16	EPA 8270E	
Benzo(a)pyrene	5310	214	428	ug/kg dry	100	11/23/20 17:16	EPA 8270E	
Benzo(b)fluoranthene	3980	214	428	ug/kg dry	100	11/23/20 17:16	EPA 8270E	
Benzo(k)fluoranthene	1460	214	428	ug/kg dry	100	11/23/20 17:16	EPA 8270E	M-05
Benzo(g,h,i)perylene	3680	214	428	ug/kg dry	100	11/23/20 17:16	EPA 8270E	
Chrysene	4500	214	428	ug/kg dry	100	11/23/20 17:16	EPA 8270E	
Dibenz(a,h)anthracene	378	214	428	ug/kg dry	100	11/23/20 17:16	EPA 8270E	J
Fluoranthene	10300	214	428	ug/kg dry	100	11/23/20 17:16	EPA 8270E	
Fluorene	2370	214	428	ug/kg dry	100	11/23/20 17:16	EPA 8270E	

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ANALYTICAL REPORT

AMENDED REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062

Anchor QEA, LLC 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: US Moorings -- C2, C3, C4 Project Number: [none] Project Manager: Delaney Peterson	Report ID: A0K0167 - 08 16 21 1242
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ANALYTICAL SAMPLE RESULTS

Semivolatile Organic Compounds by EPA 8270E

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes	
USMPDI-038SC-A-13-14-201103 (A0K0167-03)				Matrix: SE		Batch: 0110447			
Indeno(1,2,3-cd)pyrene	2860	214	428	ug/kg dry	100	11/23/20 17:16	EPA 8270E		
2-Methylnaphthalene	2180	214	428	ug/kg dry	100	11/23/20 17:16	EPA 8270E		
Naphthalene	2560	214	428	ug/kg dry	100	11/23/20 17:16	EPA 8270E		
Phenanthrene	13500	214	428	ug/kg dry	100	11/23/20 17:16	EPA 8270E		
Pyrene	11900	214	428	ug/kg dry	100	11/23/20 17:16	EPA 8270E		
<i>Surrogate: 2-Fluorobiphenyl (Surr)</i>		<i>Recovery: 87 %</i>		<i>Limits: 44-120 %</i>		<i>100</i>	<i>11/23/20 17:16</i>	<i>EPA 8270E</i>	<i>S-05</i>
<i>p-Terphenyl-d14 (Surr)</i>		<i>99 %</i>		<i>54-127 %</i>		<i>100</i>	<i>11/23/20 17:16</i>	<i>EPA 8270E</i>	<i>S-05</i>

USMPDI-038SC-A-14-15-201103 (A0K0167-04)				Matrix: SE		Batch: 0110447			
Acenaphthene	2810	208	416	ug/kg dry	100	12/01/20 23:30	EPA 8270E		
Acenaphthylene	550	208	416	ug/kg dry	100	12/01/20 23:30	EPA 8270E		
Anthracene	2440	208	416	ug/kg dry	100	12/01/20 23:30	EPA 8270E		
Benz(a)anthracene	2030	208	416	ug/kg dry	100	12/01/20 23:30	EPA 8270E		
Benzo(a)pyrene	2970	208	416	ug/kg dry	100	12/01/20 23:30	EPA 8270E		
Benzo(b)fluoranthene	2310	208	416	ug/kg dry	100	12/01/20 23:30	EPA 8270E		
Benzo(k)fluoranthene	737	208	416	ug/kg dry	100	12/01/20 23:30	EPA 8270E	M-05	
Benzo(g,h,i)perylene	1980	208	416	ug/kg dry	100	12/01/20 23:30	EPA 8270E		
Chrysene	2480	208	416	ug/kg dry	100	12/01/20 23:30	EPA 8270E		
Dibenz(a,h)anthracene	233	208	416	ug/kg dry	100	12/01/20 23:30	EPA 8270E	J	
Fluoranthene	6730	208	416	ug/kg dry	100	12/01/20 23:30	EPA 8270E		
Fluorene	2360	208	416	ug/kg dry	100	12/01/20 23:30	EPA 8270E		
Indeno(1,2,3-cd)pyrene	1610	208	416	ug/kg dry	100	12/01/20 23:30	EPA 8270E		
2-Methylnaphthalene	2190	208	416	ug/kg dry	100	12/01/20 23:30	EPA 8270E		
Naphthalene	1510	208	416	ug/kg dry	100	12/01/20 23:30	EPA 8270E		
Phenanthrene	11900	208	416	ug/kg dry	100	12/01/20 23:30	EPA 8270E		
Pyrene	8510	208	416	ug/kg dry	100	12/01/20 23:30	EPA 8270E		
<i>Surrogate: 2-Fluorobiphenyl (Surr)</i>		<i>Recovery: 89 %</i>		<i>Limits: 44-120 %</i>		<i>100</i>	<i>12/01/20 23:30</i>	<i>EPA 8270E</i>	<i>S-05</i>
<i>p-Terphenyl-d14 (Surr)</i>		<i>108 %</i>		<i>54-127 %</i>		<i>100</i>	<i>12/01/20 23:30</i>	<i>EPA 8270E</i>	<i>S-05</i>

USMPDI-038SC-B-00-02-201103 (A0K0167-06)				Matrix: SE		Batch: 0110447		
Acenaphthene	ND	110	220	ug/kg dry	40	11/23/20 18:30	EPA 8270E	
Acenaphthylene	ND	110	220	ug/kg dry	40	11/23/20 18:30	EPA 8270E	
Anthracene	126	110	220	ug/kg dry	40	11/23/20 18:30	EPA 8270E	J

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ANALYTICAL REPORT

AMENDED REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062

Anchor QEA, LLC 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: US Moorings -- C2, C3, C4 Project Number: [none] Project Manager: Delaney Peterson	Report ID: A0K0167 - 08 16 21 1242
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ANALYTICAL SAMPLE RESULTS

Semivolatile Organic Compounds by EPA 8270E

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
USMPDI-038SC-B-00-02-201103 (A0K0167-06)				Matrix: SE		Batch: 0110447		
Benz(a)anthracene	268	110	220	ug/kg dry	40	11/23/20 18:30	EPA 8270E	
Benzo(a)pyrene	420	110	220	ug/kg dry	40	11/23/20 18:30	EPA 8270E	
Benzo(b)fluoranthene	348	110	220	ug/kg dry	40	11/23/20 18:30	EPA 8270E	
Benzo(k)fluoranthene	128	110	220	ug/kg dry	40	11/23/20 18:30	EPA 8270E	J
Benzo(g,h,i)perylene	320	110	220	ug/kg dry	40	11/23/20 18:30	EPA 8270E	
Chrysene	294	110	220	ug/kg dry	40	11/23/20 18:30	EPA 8270E	
Dibenz(a,h)anthracene	ND	110	220	ug/kg dry	40	11/23/20 18:30	EPA 8270E	
Fluoranthene	573	110	220	ug/kg dry	40	11/23/20 18:30	EPA 8270E	
Fluorene	ND	110	220	ug/kg dry	40	11/23/20 18:30	EPA 8270E	
Indeno(1,2,3-cd)pyrene	261	110	220	ug/kg dry	40	11/23/20 18:30	EPA 8270E	
2-Methylnaphthalene	ND	110	220	ug/kg dry	40	11/23/20 18:30	EPA 8270E	
Naphthalene	ND	110	220	ug/kg dry	40	11/23/20 18:30	EPA 8270E	
Phenanthrene	342	110	220	ug/kg dry	40	11/23/20 18:30	EPA 8270E	
Pyrene	583	110	220	ug/kg dry	40	11/23/20 18:30	EPA 8270E	
Pentachlorophenol (PCP)	ND	1100	2200	ug/kg dry	40	11/23/20 18:30	EPA 8270E	
<i>Surrogate: 2-Fluorobiphenyl (Surr)</i>		<i>Recovery: 67 %</i>		<i>Limits: 44-120 %</i>	<i>40</i>	<i>11/23/20 18:30</i>	<i>EPA 8270E</i>	<i>S-05</i>
<i>p-Terphenyl-d14 (Surr)</i>		<i>70 %</i>		<i>54-127 %</i>	<i>40</i>	<i>11/23/20 18:30</i>	<i>EPA 8270E</i>	<i>S-05</i>
<i>2,4,6-Tribromophenol (Surr)</i>		<i>151 %</i>		<i>39-132 %</i>	<i>40</i>	<i>11/23/20 18:30</i>	<i>EPA 8270E</i>	<i>S-05</i>
USMPDI-038SC-B-02-04-201103 (A0K0167-07RE1)				Matrix: SE		Batch: 0110447		R-04
Pentachlorophenol (PCP)	ND	256	513	ug/kg dry	10	11/23/20 19:02	EPA 8270E	
<i>Surrogate: 2,4,6-Tribromophenol (Surr)</i>		<i>Recovery: 118 %</i>		<i>Limits: 39-132 %</i>	<i>10</i>	<i>11/23/20 19:02</i>	<i>EPA 8270E</i>	
USMPDI-038SC-B-04-06-201103 (A0K0167-08RE1)				Matrix: SE		Batch: 0110447		R-04
Pentachlorophenol (PCP)	ND	227	455	ug/kg dry	10	11/23/20 19:34	EPA 8270E	
<i>Surrogate: 2,4,6-Tribromophenol (Surr)</i>		<i>Recovery: 116 %</i>		<i>Limits: 39-132 %</i>	<i>10</i>	<i>11/23/20 19:34</i>	<i>EPA 8270E</i>	
USMPDI-038SC-B-06-08-201103 (A0K0167-09RE1)				Matrix: SE		Batch: 0110447		R-04
Pentachlorophenol (PCP)	ND	905	1810	ug/kg dry	40	11/23/20 20:06	EPA 8270E	
<i>Surrogate: 2,4,6-Tribromophenol (Surr)</i>		<i>Recovery: 166 %</i>		<i>Limits: 39-132 %</i>	<i>40</i>	<i>11/23/20 20:06</i>	<i>EPA 8270E</i>	<i>S-05</i>
USMPDI-038SC-B-08-10-201103 (A0K0167-10RE1)				Matrix: SE		Batch: 0110447		R-04
Pentachlorophenol (PCP)	ND	854	1710	ug/kg dry	40	11/23/20 20:39	EPA 8270E	

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ANALYTICAL REPORT

AMENDED REPORT

Apex Laboratories, LLC

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Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062

Anchor QEA, LLC 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: US Moorings -- C2, C3, C4 Project Number: [none] Project Manager: Delaney Peterson	Report ID: A0K0167 - 08 16 21 1242
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ANALYTICAL SAMPLE RESULTS

Semivolatile Organic Compounds by EPA 8270E

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes	
USMPDI-038SC-B-08-10-201103 (A0K0167-10RE1)				Matrix: SE		Batch: 0110447		R-04	
<i>Surrogate: 2,4,6-Tribromophenol (Surr)</i>		<i>Recovery: 172 %</i>		<i>Limits: 39-132 %</i>		<i>40</i>	<i>11/23/20 20:39</i>	<i>EPA 8270E</i>	<i>S-05</i>
USMPDI-038SC-B-10-12-201103 (A0K0167-11RE1)				Matrix: SE		Batch: 0110447		R-04	
Pentachlorophenol (PCP)	ND	2150	4290	ug/kg dry	100	11/23/20 21:11	EPA 8270E		
<i>Surrogate: 2,4,6-Tribromophenol (Surr)</i>		<i>Recovery: 280 %</i>		<i>Limits: 39-132 %</i>		<i>100</i>	<i>11/23/20 21:11</i>	<i>EPA 8270E</i>	<i>S-05</i>
USMPDI-038SC-B-12-14-201103 (A0K0167-12RE1)				Matrix: SE		Batch: 0110447		R-04	
Pentachlorophenol (PCP)	ND	2030	4070	ug/kg dry	100	11/23/20 21:42	EPA 8270E		
<i>Surrogate: 2,4,6-Tribromophenol (Surr)</i>		<i>Recovery: 252 %</i>		<i>Limits: 39-132 %</i>		<i>100</i>	<i>11/23/20 21:42</i>	<i>EPA 8270E</i>	<i>S-05</i>
USMPDI-038SC-B-14-15.3-201103 (A0K0167-13RE1)				Matrix: SE		Batch: 0110484		R-04	
Pentachlorophenol (PCP)	ND	2040	4070	ug/kg dry	100	11/16/20 20:25	EPA 8270E		
<i>Surrogate: 2,4,6-Tribromophenol (Surr)</i>		<i>Recovery: 278 %</i>		<i>Limits: 39-132 %</i>		<i>100</i>	<i>11/16/20 20:25</i>	<i>EPA 8270E</i>	<i>S-05</i>
USMPDI-040SC-A-06-07-201103 (A0K0167-15RE1)				Matrix: SE		Batch: 0110447			
Acenaphthene	1230	953	1910	ug/kg dry	500	12/03/20 22:03	EPA 8270E	J	
Acenaphthylene	ND	953	1910	ug/kg dry	500	12/03/20 22:03	EPA 8270E		
Anthracene	4020	953	1910	ug/kg dry	500	12/03/20 22:03	EPA 8270E		
Benz(a)anthracene	6630	953	1910	ug/kg dry	500	12/03/20 22:03	EPA 8270E		
Benzo(a)pyrene	12500	953	1910	ug/kg dry	500	12/03/20 22:03	EPA 8270E		
Benzo(b)fluoranthene	8330	953	1910	ug/kg dry	500	12/03/20 22:03	EPA 8270E		
Benzo(k)fluoranthene	2910	953	1910	ug/kg dry	500	12/03/20 22:03	EPA 8270E	M-05	
Benzo(g,h,i)perylene	9740	953	1910	ug/kg dry	500	12/03/20 22:03	EPA 8270E		
Chrysene	7810	953	1910	ug/kg dry	500	12/03/20 22:03	EPA 8270E		
Dibenz(a,h)anthracene	ND	953	1910	ug/kg dry	500	12/03/20 22:03	EPA 8270E		
Fluoranthene	26200	953	1910	ug/kg dry	500	12/03/20 22:03	EPA 8270E		
Fluorene	1080	953	1910	ug/kg dry	500	12/03/20 22:03	EPA 8270E	J	
Indeno(1,2,3-cd)pyrene	7200	953	1910	ug/kg dry	500	12/03/20 22:03	EPA 8270E		
2-Methylnaphthalene	ND	953	1910	ug/kg dry	500	12/03/20 22:03	EPA 8270E		
Naphthalene	1710	953	1910	ug/kg dry	500	12/03/20 22:03	EPA 8270E	J	
Phenanthrene	17500	953	1910	ug/kg dry	500	12/03/20 22:03	EPA 8270E		
Pyrene	33600	953	1910	ug/kg dry	500	12/03/20 22:03	EPA 8270E		
<i>Surrogate: 2-Fluorobiphenyl (Surr)</i>		<i>Recovery: 80 %</i>		<i>Limits: 44-120 %</i>		<i>500</i>	<i>12/03/20 22:03</i>	<i>EPA 8270E</i>	<i>S-05</i>
<i>p-Terphenyl-d14 (Surr)</i>		<i>105 %</i>		<i>54-127 %</i>		<i>500</i>	<i>12/03/20 22:03</i>	<i>EPA 8270E</i>	<i>S-05</i>

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Darwin Thomas, Business Development Director



ANALYTICAL REPORT

AMENDED REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062

Anchor QEA, LLC 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: US Moorings -- C2, C3, C4 Project Number: [none] Project Manager: Delaney Peterson	Report ID: A0K0167 - 08 16 21 1242
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ANALYTICAL SAMPLE RESULTS

Semivolatile Organic Compounds by EPA 8270E

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
USMPDI-040SC-A-07-08-201103 (A0K0167-16)			Matrix: SE		Batch: 0110447			
Acenaphthene	97.0	44.9	89.8	ug/kg dry	25	12/02/20 12:32	EPA 8270E	
Acenaphthylene	ND	89.8	89.8	ug/kg dry	25	12/02/20 12:32	EPA 8270E	
Anthracene	127	44.9	89.8	ug/kg dry	25	12/02/20 12:32	EPA 8270E	
Benz(a)anthracene	265	44.9	89.8	ug/kg dry	25	12/02/20 12:32	EPA 8270E	
Benzo(a)pyrene	554	44.9	89.8	ug/kg dry	25	12/02/20 12:32	EPA 8270E	
Benzo(b)fluoranthene	394	44.9	89.8	ug/kg dry	25	12/02/20 12:32	EPA 8270E	
Benzo(k)fluoranthene	116	44.9	89.8	ug/kg dry	25	12/02/20 12:32	EPA 8270E	M-05
Benzo(g,h,i)perylene	417	44.9	89.8	ug/kg dry	25	12/02/20 12:32	EPA 8270E	
Chrysene	316	44.9	89.8	ug/kg dry	25	12/02/20 12:32	EPA 8270E	
Dibenz(a,h)anthracene	ND	44.9	89.8	ug/kg dry	25	12/02/20 12:32	EPA 8270E	
Fluoranthene	975	44.9	89.8	ug/kg dry	25	12/02/20 12:32	EPA 8270E	
Fluorene	67.0	44.9	89.8	ug/kg dry	25	12/02/20 12:32	EPA 8270E	J
Indeno(1,2,3-cd)pyrene	307	44.9	89.8	ug/kg dry	25	12/02/20 12:32	EPA 8270E	
2-Methylnaphthalene	194	44.9	89.8	ug/kg dry	25	12/02/20 12:32	EPA 8270E	
Naphthalene	193	44.9	89.8	ug/kg dry	25	12/02/20 12:32	EPA 8270E	
Phenanthrene	624	44.9	89.8	ug/kg dry	25	12/02/20 12:32	EPA 8270E	
Pyrene	1260	44.9	89.8	ug/kg dry	25	12/02/20 12:32	EPA 8270E	
<i>Surrogate: 2-Fluorobiphenyl (Surr)</i>		<i>Recovery: 87 %</i>		<i>Limits: 44-120 %</i>		<i>25</i>	<i>12/02/20 12:32</i>	<i>EPA 8270E</i>
<i>p-Terphenyl-d14 (Surr)</i>		<i>92 %</i>		<i>54-127 %</i>		<i>25</i>	<i>12/02/20 12:32</i>	<i>EPA 8270E</i>

USMPDI-040SC-A-08-09-201103 (A0K0167-17)			Matrix: SE		Batch: 0110447			
Acenaphthene	81.4	38.8	77.5	ug/kg dry	25	12/02/20 13:04	EPA 8270E	
Acenaphthylene	ND	38.8	77.5	ug/kg dry	25	12/02/20 13:04	EPA 8270E	
Anthracene	106	38.8	77.5	ug/kg dry	25	12/02/20 13:04	EPA 8270E	
Benz(a)anthracene	315	38.8	77.5	ug/kg dry	25	12/02/20 13:04	EPA 8270E	
Benzo(a)pyrene	671	38.8	77.5	ug/kg dry	25	12/02/20 13:04	EPA 8270E	
Benzo(b)fluoranthene	467	38.8	77.5	ug/kg dry	25	12/02/20 13:04	EPA 8270E	
Benzo(k)fluoranthene	135	38.8	77.5	ug/kg dry	25	12/02/20 13:04	EPA 8270E	M-05
Benzo(g,h,i)perylene	531	38.8	77.5	ug/kg dry	25	12/02/20 13:04	EPA 8270E	
Chrysene	376	38.8	77.5	ug/kg dry	25	12/02/20 13:04	EPA 8270E	
Dibenz(a,h)anthracene	ND	38.8	77.5	ug/kg dry	25	12/02/20 13:04	EPA 8270E	
Fluoranthene	1210	38.8	77.5	ug/kg dry	25	12/02/20 13:04	EPA 8270E	
Fluorene	59.7	38.8	77.5	ug/kg dry	25	12/02/20 13:04	EPA 8270E	J

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ANALYTICAL REPORT

AMENDED REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062

Anchor QEA, LLC 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: US Moorings -- C2, C3, C4 Project Number: [none] Project Manager: Delaney Peterson	Report ID: A0K0167 - 08 16 21 1242
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ANALYTICAL SAMPLE RESULTS

Semivolatile Organic Compounds by EPA 8270E

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
USMPDI-040SC-A-08-09-201103 (A0K0167-17)				Matrix: SE		Batch: 0110447		
Indeno(1,2,3-cd)pyrene	395	38.8	77.5	ug/kg dry	25	12/02/20 13:04	EPA 8270E	
2-Methylnaphthalene	ND	38.8	77.5	ug/kg dry	25	12/02/20 13:04	EPA 8270E	
Naphthalene	198	38.8	77.5	ug/kg dry	25	12/02/20 13:04	EPA 8270E	
Phenanthrene	978	38.8	77.5	ug/kg dry	25	12/02/20 13:04	EPA 8270E	
Pyrene	1460	38.8	77.5	ug/kg dry	25	12/02/20 13:04	EPA 8270E	
<i>Surrogate: 2-Fluorobiphenyl (Surr)</i>		<i>Recovery: 82 %</i>		<i>Limits: 44-120 %</i>		<i>25</i>	<i>12/02/20 13:04</i>	<i>EPA 8270E</i>
<i>p-Terphenyl-d14 (Surr)</i>		<i>94 %</i>		<i>54-127 %</i>		<i>25</i>	<i>12/02/20 13:04</i>	<i>EPA 8270E</i>

USMPDI-1040SC-A-08-09-201103 (A0K0167-18)				Matrix: SE		Batch: 0110447		
Acenaphthene	139	38.6	77.2	ug/kg dry	25	12/02/20 13:36	EPA 8270E	
Acenaphthylene	42.2	38.6	77.2	ug/kg dry	25	12/02/20 13:36	EPA 8270E	J
Anthracene	134	38.6	77.2	ug/kg dry	25	12/02/20 13:36	EPA 8270E	
Benz(a)anthracene	324	38.6	77.2	ug/kg dry	25	12/02/20 13:36	EPA 8270E	
Benzo(a)pyrene	715	38.6	77.2	ug/kg dry	25	12/02/20 13:36	EPA 8270E	
Benzo(b)fluoranthene	471	38.6	77.2	ug/kg dry	25	12/02/20 13:36	EPA 8270E	
Benzo(k)fluoranthene	169	38.6	77.2	ug/kg dry	25	12/02/20 13:36	EPA 8270E	M-05
Benzo(g,h,i)perylene	541	38.6	77.2	ug/kg dry	25	12/02/20 13:36	EPA 8270E	
Chrysene	395	38.6	77.2	ug/kg dry	25	12/02/20 13:36	EPA 8270E	
Dibenz(a,h)anthracene	39.1	38.6	77.2	ug/kg dry	25	12/02/20 13:36	EPA 8270E	J
Fluoranthene	1280	38.6	77.2	ug/kg dry	25	12/02/20 13:36	EPA 8270E	
Fluorene	99.0	38.6	77.2	ug/kg dry	25	12/02/20 13:36	EPA 8270E	
Indeno(1,2,3-cd)pyrene	411	38.6	77.2	ug/kg dry	25	12/02/20 13:36	EPA 8270E	
2-Methylnaphthalene	ND	38.6	77.2	ug/kg dry	25	12/02/20 13:36	EPA 8270E	
Naphthalene	292	38.6	77.2	ug/kg dry	25	12/02/20 13:36	EPA 8270E	
Phenanthrene	1170	38.6	77.2	ug/kg dry	25	12/02/20 13:36	EPA 8270E	
Pyrene	1410	38.6	77.2	ug/kg dry	25	12/02/20 13:36	EPA 8270E	
<i>Surrogate: 2-Fluorobiphenyl (Surr)</i>		<i>Recovery: 79 %</i>		<i>Limits: 44-120 %</i>		<i>25</i>	<i>12/02/20 13:36</i>	<i>EPA 8270E</i>
<i>p-Terphenyl-d14 (Surr)</i>		<i>87 %</i>		<i>54-127 %</i>		<i>25</i>	<i>12/02/20 13:36</i>	<i>EPA 8270E</i>

USMPDI-040SC-B-00-02-201103 (A0K0167-19)				Matrix: SE		Batch: 0110447		
Acenaphthene	2270	254	508	ug/kg dry	100	11/23/20 22:12	EPA 8270E	AMEND
Acenaphthylene	ND	812	812	ug/kg dry	100	11/23/20 22:12	EPA 8270E	AMEND, R-02
Anthracene	2120	254	508	ug/kg dry	100	11/23/20 22:12	EPA 8270E	AMEND

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ANALYTICAL REPORT

AMENDED REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062

Anchor QEA, LLC 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: US Moorings -- C2, C3, C4 Project Number: [none] Project Manager: Delaney Peterson	Report ID: A0K0167 - 08 16 21 1242
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ANALYTICAL SAMPLE RESULTS

Semivolatile Organic Compounds by EPA 8270E

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
USMPDI-040SC-B-00-02-201103 (A0K0167-19)				Matrix: SE		Batch: 0110447		
Benz(a)anthracene	4260	254	508	ug/kg dry	100	11/23/20 22:12	EPA 8270E	AMEND
Benzo(a)pyrene	5180	254	508	ug/kg dry	100	11/23/20 22:12	EPA 8270E	AMEND
Benzo(b)fluoranthene	3780	254	508	ug/kg dry	100	11/23/20 22:12	EPA 8270E	AMEND
Benzo(k)fluoranthene	1410	254	508	ug/kg dry	100	11/23/20 22:12	EPA 8270E	AMEND, M-05
Benzo(g,h,i)perylene	2890	254	508	ug/kg dry	100	11/23/20 22:12	EPA 8270E	AMEND
Chrysene	4990	254	508	ug/kg dry	100	11/23/20 22:12	EPA 8270E	AMEND
Dibenz(a,h)anthracene	385	254	508	ug/kg dry	100	11/23/20 22:12	EPA 8270E	J, AMEND
Fluoranthene	10400	254	508	ug/kg dry	100	11/23/20 22:12	EPA 8270E	AMEND
Fluorene	2660	254	508	ug/kg dry	100	11/23/20 22:12	EPA 8270E	AMEND
Indeno(1,2,3-cd)pyrene	2340	254	508	ug/kg dry	100	11/23/20 22:12	EPA 8270E	AMEND
2-Methylnaphthalene	449	254	508	ug/kg dry	100	11/23/20 22:12	EPA 8270E	J, AMEND
Naphthalene	770	254	508	ug/kg dry	100	11/23/20 22:12	EPA 8270E	AMEND
Phenanthrene	18700	254	508	ug/kg dry	100	11/23/20 22:12	EPA 8270E	AMEND
Pyrene	10700	254	508	ug/kg dry	100	11/23/20 22:12	EPA 8270E	AMEND
Pentachlorophenol (PCP)	ND	2540	5080	ug/kg dry	100	11/23/20 22:12	EPA 8270E	AMEND
<i>Surrogate: 2-Fluorobiphenyl (Surr)</i>		<i>Recovery: 61 %</i>		<i>Limits: 44-120 %</i>	<i>100</i>	<i>11/23/20 22:12</i>	<i>EPA 8270E</i>	<i>S-05, AMEND</i>
<i>p-Terphenyl-d14 (Surr)</i>		<i>82 %</i>		<i>54-127 %</i>	<i>100</i>	<i>11/23/20 22:12</i>	<i>EPA 8270E</i>	<i>AMEND, S-05</i>
<i>2,4,6-Tribromophenol (Surr)</i>		<i>269 %</i>		<i>39-132 %</i>	<i>100</i>	<i>11/23/20 22:12</i>	<i>EPA 8270E</i>	<i>AMEND, S-05</i>
USMPDI-040SC-B-02-04-201103 (A0K0167-20RE1)				Matrix: SE		Batch: 0110447		R-04
Pentachlorophenol (PCP)	ND	2180	4360	ug/kg dry	100	11/23/20 22:43	EPA 8270E	
<i>Surrogate: 2,4,6-Tribromophenol (Surr)</i>		<i>Recovery: 277 %</i>		<i>Limits: 39-132 %</i>	<i>100</i>	<i>11/23/20 22:43</i>	<i>EPA 8270E</i>	<i>S-05</i>
USMPDI-040SC-B-04-06-201103 (A0K0167-21RE1)				Matrix: SE		Batch: 0110447		R-04
Pentachlorophenol (PCP)	ND	1940	3880	ug/kg dry	100	11/23/20 23:13	EPA 8270E	
<i>Surrogate: 2,4,6-Tribromophenol (Surr)</i>		<i>Recovery: 260 %</i>		<i>Limits: 39-132 %</i>	<i>100</i>	<i>11/23/20 23:13</i>	<i>EPA 8270E</i>	<i>S-05</i>
USMPDI-040SC-B-06-08-201103 (A0K0167-22RE1)				Matrix: SE		Batch: 0110447		R-04
Pentachlorophenol (PCP)	ND	370	740	ug/kg dry	20	11/24/20 20:16	EPA 8270E	
<i>Surrogate: 2,4,6-Tribromophenol (Surr)</i>		<i>Recovery: 123 %</i>		<i>Limits: 39-132 %</i>	<i>20</i>	<i>11/24/20 20:16</i>	<i>EPA 8270E</i>	<i>S-05</i>
USMPDI-040SC-B-08-10-201103 (A0K0167-23RE1)				Matrix: SE		Batch: 0110447		R-04
Pentachlorophenol (PCP)	ND	412	824	ug/kg dry	25	11/16/20 19:20	EPA 8270E	

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ANALYTICAL REPORT

AMENDED REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062

Anchor QEA, LLC 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: US Moorings -- C2, C3, C4 Project Number: [none] Project Manager: Delaney Peterson	Report ID: A0K0167 - 08 16 21 1242
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ANALYTICAL SAMPLE RESULTS

Semivolatile Organic Compounds by EPA 8270E

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
USMPDI-040SC-B-08-10-201103 (A0K0167-23RE1)				Matrix: SE		Batch: 0110447		R-04
<i>Surrogate: 2,4,6-Tribromophenol (Surr)</i>		<i>Recovery: 130 %</i>		<i>Limits: 39-132 %</i>		<i>25 11/16/20 19:20</i>		<i>EPA 8270E</i>
USMPDI-040SC-B-10-12-201103 (A0K0167-24RE1)				Matrix: SE		Batch: 0110484		
Pentachlorophenol (PCP)	ND	15.7	31.5	ug/kg dry	1	11/24/20 20:49	EPA 8270E	
<i>Surrogate: 2,4,6-Tribromophenol (Surr)</i>		<i>Recovery: 111 %</i>		<i>Limits: 39-132 %</i>		<i>1 11/24/20 20:49</i>		<i>EPA 8270E</i>
USMPDI-040SC-B-12-14-201103 (A0K0167-25)				Matrix: SE		Batch: 0110484		
Acenaphthene	ND	1.47	2.93	ug/kg dry	1	11/24/20 00:44	EPA 8270E	
Acenaphthylene	ND	1.47	2.93	ug/kg dry	1	11/24/20 00:44	EPA 8270E	
Anthracene	ND	1.47	2.93	ug/kg dry	1	11/24/20 00:44	EPA 8270E	
Benz(a)anthracene	ND	1.47	2.93	ug/kg dry	1	11/24/20 00:44	EPA 8270E	
Benzo(a)pyrene	ND	1.47	2.93	ug/kg dry	1	11/24/20 00:44	EPA 8270E	
Benzo(b)fluoranthene	ND	1.47	2.93	ug/kg dry	1	11/24/20 00:44	EPA 8270E	
Benzo(k)fluoranthene	ND	1.47	2.93	ug/kg dry	1	11/24/20 00:44	EPA 8270E	
Benzo(g,h,i)perylene	ND	1.47	2.93	ug/kg dry	1	11/24/20 00:44	EPA 8270E	
Chrysene	ND	1.47	2.93	ug/kg dry	1	11/24/20 00:44	EPA 8270E	
Dibenz(a,h)anthracene	ND	1.47	2.93	ug/kg dry	1	11/24/20 00:44	EPA 8270E	
Fluoranthene	ND	1.47	2.93	ug/kg dry	1	11/24/20 00:44	EPA 8270E	
Fluorene	ND	1.47	2.93	ug/kg dry	1	11/24/20 00:44	EPA 8270E	
Indeno(1,2,3-cd)pyrene	ND	1.47	2.93	ug/kg dry	1	11/24/20 00:44	EPA 8270E	
2-Methylnaphthalene	ND	1.47	2.93	ug/kg dry	1	11/24/20 00:44	EPA 8270E	
Naphthalene	ND	1.47	2.93	ug/kg dry	1	11/24/20 00:44	EPA 8270E	
Phenanthrene	1.74	1.47	2.93	ug/kg dry	1	11/24/20 00:44	EPA 8270E	J
Pyrene	ND	1.47	2.93	ug/kg dry	1	11/24/20 00:44	EPA 8270E	
Pentachlorophenol (PCP)	ND	14.7	29.3	ug/kg dry	1	11/24/20 00:44	EPA 8270E	
<i>Surrogate: 2-Fluorobiphenyl (Surr)</i>		<i>Recovery: 104 %</i>		<i>Limits: 44-120 %</i>		<i>1 11/24/20 00:44</i>		<i>EPA 8270E</i>
<i>p-Terphenyl-d14 (Surr)</i>		<i>126 %</i>		<i>54-127 %</i>		<i>1 11/24/20 00:44</i>		<i>EPA 8270E</i>
<i>2,4,6-Tribromophenol (Surr)</i>		<i>106 %</i>		<i>39-132 %</i>		<i>1 11/24/20 00:44</i>		<i>EPA 8270E</i>
USMPDI-1040SC-B-10-12-201103 (A0K0167-26)				Matrix: SE		Batch: 0110484		
Pentachlorophenol (PCP)	ND	15.1	30.3	ug/kg dry	1	11/24/20 01:14	EPA 8270E	
<i>Surrogate: 2,4,6-Tribromophenol (Surr)</i>		<i>Recovery: 100 %</i>		<i>Limits: 39-132 %</i>		<i>1 11/24/20 01:14</i>		<i>EPA 8270E</i>
USMPDI-048SC-A-13-14-201103 (A0K0167-28)				Matrix: SE		Batch: 0110484		

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Darwin Thomas, Business Development Director



ANALYTICAL REPORT

AMENDED REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062

Anchor QEA, LLC 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: US Moorings -- C2, C3, C4 Project Number: [none] Project Manager: Delaney Peterson	Report ID: A0K0167 - 08 16 21 1242
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ANALYTICAL SAMPLE RESULTS

Semivolatile Organic Compounds by EPA 8270E

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes	
USMPDI-048SC-A-13-14-201103 (A0K0167-28)				Matrix: SE		Batch: 0110484			
Acenaphthene	3690	1870	3750	ug/kg dry	1000	12/02/20 14:08	EPA 8270E	J	
Acenaphthylene	ND	1870	3750	ug/kg dry	1000	12/02/20 14:08	EPA 8270E		
Anthracene	3520	1870	3750	ug/kg dry	1000	12/02/20 14:08	EPA 8270E	J	
Benz(a)anthracene	4860	1870	3750	ug/kg dry	1000	12/02/20 14:08	EPA 8270E		
Benzo(a)pyrene	8460	1870	3750	ug/kg dry	1000	12/02/20 14:08	EPA 8270E		
Benzo(b)fluoranthene	6190	1870	3750	ug/kg dry	1000	12/02/20 14:08	EPA 8270E		
Benzo(k)fluoranthene	2050	1870	3750	ug/kg dry	1000	12/02/20 14:08	EPA 8270E	J	
Benzo(g,h,i)perylene	5660	1870	3750	ug/kg dry	1000	12/02/20 14:08	EPA 8270E		
Chrysene	5750	1870	3750	ug/kg dry	1000	12/02/20 14:08	EPA 8270E		
Dibenz(a,h)anthracene	ND	1870	3750	ug/kg dry	1000	12/02/20 14:08	EPA 8270E		
Fluoranthene	17400	1870	3750	ug/kg dry	1000	12/02/20 14:08	EPA 8270E		
Fluorene	2460	1870	3750	ug/kg dry	1000	12/02/20 14:08	EPA 8270E	J	
Indeno(1,2,3-cd)pyrene	4740	1870	3750	ug/kg dry	1000	12/02/20 14:08	EPA 8270E		
2-Methylnaphthalene	ND	1870	3750	ug/kg dry	1000	12/02/20 14:08	EPA 8270E		
Naphthalene	4620	1870	3750	ug/kg dry	1000	12/02/20 14:08	EPA 8270E		
Phenanthrene	20700	1870	3750	ug/kg dry	1000	12/02/20 14:08	EPA 8270E		
Pyrene	18900	1870	3750	ug/kg dry	1000	12/02/20 14:08	EPA 8270E		
<i>Surrogate: 2-Fluorobiphenyl (Surr)</i>		<i>Recovery: 110 %</i>		<i>Limits: 44-120 %</i>		<i>1000</i>	<i>12/02/20 14:08</i>	<i>EPA 8270E</i>	<i>S-05</i>
<i>p-Terphenyl-d14 (Surr)</i>		<i>110 %</i>		<i>54-127 %</i>		<i>1000</i>	<i>12/02/20 14:08</i>	<i>EPA 8270E</i>	<i>S-05</i>

USMPDI-048SC-A-14-15-201103 (A0K0167-29)				Matrix: SE		Batch: 0110484		
Acenaphthene	211	16.7	33.4	ug/kg dry	10	12/02/20 14:41	EPA 8270E	
Acenaphthylene	ND	33.4	33.4	ug/kg dry	10	12/02/20 14:41	EPA 8270E	
Anthracene	42.6	16.7	33.4	ug/kg dry	10	12/02/20 14:41	EPA 8270E	
Benz(a)anthracene	124	16.7	33.4	ug/kg dry	10	12/02/20 14:41	EPA 8270E	
Benzo(a)pyrene	223	16.7	33.4	ug/kg dry	10	12/02/20 14:41	EPA 8270E	
Benzo(b)fluoranthene	158	16.7	33.4	ug/kg dry	10	12/02/20 14:41	EPA 8270E	
Benzo(k)fluoranthene	53.1	16.7	33.4	ug/kg dry	10	12/02/20 14:41	EPA 8270E	M-05
Benzo(g,h,i)perylene	151	16.7	33.4	ug/kg dry	10	12/02/20 14:41	EPA 8270E	
Chrysene	146	16.7	33.4	ug/kg dry	10	12/02/20 14:41	EPA 8270E	
Dibenz(a,h)anthracene	ND	16.7	33.4	ug/kg dry	10	12/02/20 14:41	EPA 8270E	
Fluoranthene	699	16.7	33.4	ug/kg dry	10	12/02/20 14:41	EPA 8270E	
Fluorene	76.8	16.7	33.4	ug/kg dry	10	12/02/20 14:41	EPA 8270E	

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ANALYTICAL REPORT

AMENDED REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062

Anchor QEA, LLC 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: US Moorings -- C2, C3, C4 Project Number: [none] Project Manager: Delaney Peterson	Report ID: A0K0167 - 08 16 21 1242
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ANALYTICAL SAMPLE RESULTS

Semivolatile Organic Compounds by EPA 8270E

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
USMPDI-048SC-A-14-15-201103 (A0K0167-29)				Matrix: SE		Batch: 0110484		
Indeno(1,2,3-cd)pyrene	121	16.7	33.4	ug/kg dry	10	12/02/20 14:41	EPA 8270E	
2-Methylnaphthalene	ND	16.7	33.4	ug/kg dry	10	12/02/20 14:41	EPA 8270E	
Naphthalene	51.9	16.7	33.4	ug/kg dry	10	12/02/20 14:41	EPA 8270E	
Phenanthrene	1100	16.7	33.4	ug/kg dry	10	12/02/20 14:41	EPA 8270E	
Pyrene	813	16.7	33.4	ug/kg dry	10	12/02/20 14:41	EPA 8270E	
<i>Surrogate: 2-Fluorobiphenyl (Surr)</i>		<i>Recovery: 102 %</i>		<i>Limits: 44-120 %</i>		<i>10</i>	<i>12/02/20 14:41</i>	<i>EPA 8270E</i>
<i>p-Terphenyl-d14 (Surr)</i>		<i>112 %</i>		<i>54-127 %</i>		<i>10</i>	<i>12/02/20 14:41</i>	<i>EPA 8270E</i>

USMPDI-048SC-A-15-16-201103 (A0K0167-30)				Matrix: SE		Batch: 0110484		
Acenaphthene	54.6	6.66	13.3	ug/kg dry	4	11/13/20 21:16	EPA 8270E	
Acenaphthylene	ND	6.66	13.3	ug/kg dry	4	11/13/20 21:16	EPA 8270E	
Anthracene	ND	6.66	13.3	ug/kg dry	4	11/13/20 21:16	EPA 8270E	Q-42
Benz(a)anthracene	11.0	6.66	13.3	ug/kg dry	4	11/13/20 21:16	EPA 8270E	J
Benzo(a)pyrene	14.3	6.66	13.3	ug/kg dry	4	11/13/20 21:16	EPA 8270E	Q-42
Benzo(b)fluoranthene	11.5	6.66	13.3	ug/kg dry	4	11/13/20 21:16	EPA 8270E	J, Q-42
Benzo(k)fluoranthene	ND	6.66	13.3	ug/kg dry	4	11/13/20 21:16	EPA 8270E	Q-42
Benzo(g,h,i)perylene	12.1	6.66	13.3	ug/kg dry	4	11/13/20 21:16	EPA 8270E	J, Q-42
Chrysene	13.5	6.66	13.3	ug/kg dry	4	11/13/20 21:16	EPA 8270E	Q-42
Dibenz(a,h)anthracene	ND	6.66	13.3	ug/kg dry	4	11/13/20 21:16	EPA 8270E	
Fluoranthene	97.8	6.66	13.3	ug/kg dry	4	11/13/20 21:16	EPA 8270E	
Fluorene	6.66	6.66	13.3	ug/kg dry	4	11/13/20 21:16	EPA 8270E	J
Indeno(1,2,3-cd)pyrene	9.40	6.66	13.3	ug/kg dry	4	11/13/20 21:16	EPA 8270E	J
2-Methylnaphthalene	ND	6.66	13.3	ug/kg dry	4	11/13/20 21:16	EPA 8270E	Q-42
Naphthalene	ND	6.66	13.3	ug/kg dry	4	11/13/20 21:16	EPA 8270E	Q-42
Phenanthrene	229	6.66	13.3	ug/kg dry	4	11/13/20 21:16	EPA 8270E	
Pyrene	112	6.66	13.3	ug/kg dry	4	11/13/20 21:16	EPA 8270E	
<i>Surrogate: 2-Fluorobiphenyl (Surr)</i>		<i>Recovery: 97 %</i>		<i>Limits: 44-120 %</i>		<i>4</i>	<i>11/13/20 21:16</i>	<i>EPA 8270E</i>
<i>p-Terphenyl-d14 (Surr)</i>		<i>99 %</i>		<i>54-127 %</i>		<i>4</i>	<i>11/13/20 21:16</i>	<i>EPA 8270E</i>

USMPDI-048SC-B-00-02-201103 (A0K0167-31)				Matrix: SE		Batch: 0110484		
Acenaphthene	653	254	508	ug/kg dry	100	11/24/20 01:45	EPA 8270E	
Acenaphthylene	386	254	508	ug/kg dry	100	11/24/20 01:45	EPA 8270E	J
Anthracene	698	254	508	ug/kg dry	100	11/24/20 01:45	EPA 8270E	

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Darwin Thomas, Business Development Director



ANALYTICAL REPORT

AMENDED REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062

Anchor QEA, LLC 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: US Moorings -- C2, C3, C4 Project Number: [none] Project Manager: Delaney Peterson	Report ID: A0K0167 - 08 16 21 1242
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ANALYTICAL SAMPLE RESULTS

Semivolatile Organic Compounds by EPA 8270E

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes	
USMPDI-048SC-B-00-02-201103 (A0K0167-31)			Matrix: SE		Batch: 0110484				
Benz(a)anthracene	1460	254	508	ug/kg dry	100	11/24/20 01:45	EPA 8270E		
Benzo(a)pyrene	1770	254	508	ug/kg dry	100	11/24/20 01:45	EPA 8270E		
Benzo(b)fluoranthene	1620	254	508	ug/kg dry	100	11/24/20 01:45	EPA 8270E		
Benzo(k)fluoranthene	604	254	508	ug/kg dry	100	11/24/20 01:45	EPA 8270E	M-05	
Benzo(g,h,i)perylene	1260	254	508	ug/kg dry	100	11/24/20 01:45	EPA 8270E		
Chrysene	1830	254	508	ug/kg dry	100	11/24/20 01:45	EPA 8270E		
Dibenz(a,h)anthracene	ND	254	508	ug/kg dry	100	11/24/20 01:45	EPA 8270E		
Fluoranthene	4730	254	508	ug/kg dry	100	11/24/20 01:45	EPA 8270E		
Fluorene	719	254	508	ug/kg dry	100	11/24/20 01:45	EPA 8270E		
Indeno(1,2,3-cd)pyrene	1060	254	508	ug/kg dry	100	11/24/20 01:45	EPA 8270E		
2-Methylnaphthalene	341	254	508	ug/kg dry	100	11/24/20 01:45	EPA 8270E	J	
Naphthalene	827	254	508	ug/kg dry	100	11/24/20 01:45	EPA 8270E		
Phenanthrene	3790	254	508	ug/kg dry	100	11/24/20 01:45	EPA 8270E		
Pyrene	4660	254	508	ug/kg dry	100	11/24/20 01:45	EPA 8270E		
Pentachlorophenol (PCP)	ND	2540	5080	ug/kg dry	100	11/24/20 01:45	EPA 8270E		
<i>Surrogate: 2-Fluorobiphenyl (Surr)</i>		<i>Recovery: 76 %</i>		<i>Limits: 44-120 %</i>		<i>100</i>	<i>11/24/20 01:45</i>	<i>EPA 8270E</i>	<i>S-05</i>
<i>p-Terphenyl-d14 (Surr)</i>		<i>91 %</i>		<i>54-127 %</i>		<i>100</i>	<i>11/24/20 01:45</i>	<i>EPA 8270E</i>	<i>S-05</i>
USMPDI-048SC-B-02-04-201103 (A0K0167-32RE1)			Matrix: SE		Batch: 0110484 R-04				
Pentachlorophenol (PCP)	ND	880	1760	ug/kg dry	40	11/23/20 17:54	EPA 8270E		
<i>Surrogate: 2,4,6-Tribromophenol (Surr)</i>		<i>Recovery: 160 %</i>		<i>Limits: 39-132 %</i>		<i>40</i>	<i>11/23/20 17:54</i>	<i>EPA 8270E</i>	<i>S-05</i>
USMPDI-048SC-B-04-06-201103 (A0K0167-33RE1)			Matrix: SE		Batch: 0110484 R-04				
Pentachlorophenol (PCP)	ND	814	1630	ug/kg dry	40	11/24/20 21:21	EPA 8270E		
<i>Surrogate: 2,4,6-Tribromophenol (Surr)</i>		<i>Recovery: 164 %</i>		<i>Limits: 39-132 %</i>		<i>40</i>	<i>11/24/20 21:21</i>	<i>EPA 8270E</i>	<i>S-05</i>
USMPDI-048SC-B-06-08-201103 (A0K0167-34RE1)			Matrix: SE		Batch: 0110484 R-04				
Pentachlorophenol (PCP)	ND	813	1630	ug/kg dry	40	11/24/20 21:51	EPA 8270E		
<i>Surrogate: 2,4,6-Tribromophenol (Surr)</i>		<i>Recovery: 177 %</i>		<i>Limits: 39-132 %</i>		<i>40</i>	<i>11/24/20 21:51</i>	<i>EPA 8270E</i>	<i>S-05</i>
USMPDI-048SC-B-08-10-201103 (A0K0167-35)			Matrix: SE		Batch: 0110484 R-04				
Pentachlorophenol (PCP)	ND	399	798	ug/kg dry	20	11/24/20 13:49	EPA 8270E		
<i>Surrogate: 2,4,6-Tribromophenol (Surr)</i>		<i>Recovery: 140 %</i>		<i>Limits: 39-132 %</i>		<i>20</i>	<i>11/24/20 13:49</i>	<i>EPA 8270E</i>	<i>S-05</i>

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ANALYTICAL REPORT

AMENDED REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street
 Tigard, OR 97223
 503-718-2323
 ORELAP ID: OR100062

Anchor QEA, LLC 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: US Moorings -- C2, C3, C4 Project Number: [none] Project Manager: Delaney Peterson	Report ID: A0K0167 - 08 16 21 1242
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ANALYTICAL SAMPLE RESULTS

Semivolatile Organic Compounds by EPA 8270E

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes	
USMPDI-048SC-B-10-12-201103 (A0K0167-36)				Matrix: SE		Batch: 0110484		R-04	
Pentachlorophenol (PCP)	ND	1990	3970	ug/kg dry	100	11/24/20 14:21	EPA 8270E		
<i>Surrogate: 2,4,6-Tribromophenol (Surr)</i>		<i>Recovery: 289 %</i>		<i>Limits: 39-132 %</i>		<i>100</i>	<i>11/24/20 14:21</i>	<i>EPA 8270E</i>	<i>S-05</i>
USMPDI-048SC-B-12-14-201103 (A0K0167-37)				Matrix: SE		Batch: 0110484		R-04	
Pentachlorophenol (PCP)	ND	1880	3760	ug/kg dry	100	11/24/20 14:54	EPA 8270E		
<i>Surrogate: 2,4,6-Tribromophenol (Surr)</i>		<i>Recovery: 269 %</i>		<i>Limits: 39-132 %</i>		<i>100</i>	<i>11/24/20 14:54</i>	<i>EPA 8270E</i>	<i>S-05</i>
USMPDI-048SC-B-14-16-201103 (A0K0167-38)				Matrix: SE		Batch: 0110484		R-04	
Pentachlorophenol (PCP)	ND	70.3	141	ug/kg dry	4	11/24/20 15:26	EPA 8270E		
<i>Surrogate: 2,4,6-Tribromophenol (Surr)</i>		<i>Recovery: 100 %</i>		<i>Limits: 39-132 %</i>		<i>4</i>	<i>11/24/20 15:26</i>	<i>EPA 8270E</i>	

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Darwin Thomas, Business Development Director



ANALYTICAL REPORT

AMENDED REPORT

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Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062

Anchor QEA, LLC 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: US Moorings -- C2, C3, C4 Project Number: [none] Project Manager: Delaney Peterson	Report ID: A0K0167 - 08 16 21 1242
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ANALYTICAL SAMPLE RESULTS

Total Metals by EPA 6020B (ICPMS)

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
USMPDI-038SC-B-00-02-201103 (A0K0167-06) Matrix: SE								
Batch: 0110615								
Arsenic	4.30	0.584	1.17	mg/kg dry	5	11/18/20 16:50	EPA 6020B	
Cadmium	0.177	0.117	0.234	mg/kg dry	5	11/18/20 16:50	EPA 6020B	J
Chromium	25.1	0.584	1.17	mg/kg dry	5	11/18/20 16:50	EPA 6020B	
Copper	36.2	1.17	2.34	mg/kg dry	5	11/18/20 16:50	EPA 6020B	
Lead	9.78	0.117	0.234	mg/kg dry	5	11/18/20 16:50	EPA 6020B	
Manganese	688	0.584	1.17	mg/kg dry	5	11/18/20 16:50	EPA 6020B	
Vanadium	78.2	1.17	2.34	mg/kg dry	5	11/18/20 16:50	EPA 6020B	
Zinc	82.5	2.34	4.68	mg/kg dry	5	11/18/20 16:50	EPA 6020B	
USMPDI-038SC-B-02-04-201103 (A0K0167-07) Matrix: SE								
Batch: 0110615								
Arsenic	4.94	0.525	1.05	mg/kg dry	5	11/18/20 16:54	EPA 6020B	
Cadmium	0.186	0.105	0.210	mg/kg dry	5	11/18/20 16:54	EPA 6020B	J
Chromium	28.7	0.525	1.05	mg/kg dry	5	11/18/20 16:54	EPA 6020B	
Copper	42.4	1.05	2.10	mg/kg dry	5	11/18/20 16:54	EPA 6020B	
Lead	12.7	0.105	0.210	mg/kg dry	5	11/18/20 16:54	EPA 6020B	
Manganese	766	0.525	1.05	mg/kg dry	5	11/18/20 16:54	EPA 6020B	
Vanadium	89.3	1.05	2.10	mg/kg dry	5	11/18/20 16:54	EPA 6020B	
Zinc	97.4	2.10	4.20	mg/kg dry	5	11/18/20 16:54	EPA 6020B	
USMPDI-038SC-B-04-06-201103 (A0K0167-08) Matrix: SE								
Batch: 0110615								
Arsenic	5.01	0.457	0.915	mg/kg dry	5	11/18/20 17:08	EPA 6020B	
Cadmium	0.224	0.0915	0.183	mg/kg dry	5	11/18/20 17:08	EPA 6020B	
Chromium	31.5	0.457	0.915	mg/kg dry	5	11/18/20 17:08	EPA 6020B	
Copper	44.1	0.915	1.83	mg/kg dry	5	11/18/20 17:08	EPA 6020B	
Lead	15.3	0.0915	0.183	mg/kg dry	5	11/18/20 17:08	EPA 6020B	
Manganese	784	0.457	0.915	mg/kg dry	5	11/18/20 17:08	EPA 6020B	
Vanadium	97.1	0.915	1.83	mg/kg dry	5	11/18/20 17:08	EPA 6020B	
Zinc	107	1.83	3.66	mg/kg dry	5	11/18/20 17:08	EPA 6020B	
USMPDI-038SC-B-06-08-201103 (A0K0167-09) Matrix: SE								
Batch: 0110615								

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ANALYTICAL REPORT

AMENDED REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062

Anchor QEA, LLC 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: US Moorings -- C2, C3, C4 Project Number: [none] Project Manager: Delaney Peterson	Report ID: A0K0167 - 08 16 21 1242
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ANALYTICAL SAMPLE RESULTS

Total Metals by EPA 6020B (ICPMS)

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
USMPDI-038SC-B-06-08-201103 (A0K0167-09)				Matrix: SE				
Arsenic	5.42	0.464	0.927	mg/kg dry	5	11/18/20 17:13	EPA 6020B	
Cadmium	0.360	0.0927	0.185	mg/kg dry	5	11/18/20 17:13	EPA 6020B	
Chromium	32.7	0.464	0.927	mg/kg dry	5	11/18/20 17:13	EPA 6020B	
Copper	55.3	0.927	1.85	mg/kg dry	5	11/18/20 17:13	EPA 6020B	
Lead	26.5	0.0927	0.185	mg/kg dry	5	11/18/20 17:13	EPA 6020B	
Manganese	995	0.464	0.927	mg/kg dry	5	11/18/20 17:13	EPA 6020B	
Vanadium	93.6	0.927	1.85	mg/kg dry	5	11/18/20 17:13	EPA 6020B	
Zinc	138	1.85	3.71	mg/kg dry	5	11/18/20 17:13	EPA 6020B	
USMPDI-038SC-B-08-10-201103 (A0K0167-10)				Matrix: SE				
Batch: 0110615								
Arsenic	4.99	0.420	0.840	mg/kg dry	5	11/18/20 17:18	EPA 6020B	
Cadmium	0.327	0.0840	0.168	mg/kg dry	5	11/18/20 17:18	EPA 6020B	
Chromium	32.8	0.420	0.840	mg/kg dry	5	11/18/20 17:18	EPA 6020B	
Copper	49.3	0.840	1.68	mg/kg dry	5	11/18/20 17:18	EPA 6020B	
Lead	30.6	0.0840	0.168	mg/kg dry	5	11/18/20 17:18	EPA 6020B	
Manganese	664	0.420	0.840	mg/kg dry	5	11/18/20 17:18	EPA 6020B	
Vanadium	108	0.840	1.68	mg/kg dry	5	11/18/20 17:18	EPA 6020B	
Zinc	148	1.68	3.36	mg/kg dry	5	11/18/20 17:18	EPA 6020B	
USMPDI-038SC-B-10-12-201103 (A0K0167-11)				Matrix: SE				
Batch: 0110615								
Arsenic	4.64	0.430	0.860	mg/kg dry	5	11/18/20 17:22	EPA 6020B	
Cadmium	0.289	0.0860	0.172	mg/kg dry	5	11/18/20 17:22	EPA 6020B	
Chromium	26.0	0.430	0.860	mg/kg dry	5	11/18/20 17:22	EPA 6020B	
Copper	39.1	0.860	1.72	mg/kg dry	5	11/18/20 17:22	EPA 6020B	
Lead	22.9	0.0860	0.172	mg/kg dry	5	11/18/20 17:22	EPA 6020B	
Manganese	532	0.430	0.860	mg/kg dry	5	11/18/20 17:22	EPA 6020B	
Vanadium	82.4	0.860	1.72	mg/kg dry	5	11/18/20 17:22	EPA 6020B	
Zinc	137	1.72	3.44	mg/kg dry	5	11/18/20 17:22	EPA 6020B	
USMPDI-038SC-B-12-14-201103 (A0K0167-12)				Matrix: SE				
Batch: 0110615								
Arsenic	5.13	0.411	0.821	mg/kg dry	5	11/18/20 17:27	EPA 6020B	

Apex Laboratories

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ANALYTICAL REPORT

AMENDED REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062

Anchor QEA, LLC 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: US Moorings -- C2, C3, C4 Project Number: [none] Project Manager: Delaney Peterson	Report ID: A0K0167 - 08 16 21 1242
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ANALYTICAL SAMPLE RESULTS

Total Metals by EPA 6020B (ICPMS)

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
USMPDI-038SC-B-12-14-201103 (A0K0167-12)				Matrix: SE				
Cadmium	0.315	0.0821	0.164	mg/kg dry	5	11/18/20 17:27	EPA 6020B	
Chromium	31.3	0.411	0.821	mg/kg dry	5	11/18/20 17:27	EPA 6020B	
Copper	45.9	0.821	1.64	mg/kg dry	5	11/18/20 17:27	EPA 6020B	
Lead	25.3	0.0821	0.164	mg/kg dry	5	11/18/20 17:27	EPA 6020B	
Manganese	667	0.411	0.821	mg/kg dry	5	11/18/20 17:27	EPA 6020B	
Vanadium	102	0.821	1.64	mg/kg dry	5	11/18/20 17:27	EPA 6020B	
Zinc	147	1.64	3.29	mg/kg dry	5	11/18/20 17:27	EPA 6020B	

USMPDI-038SC-B-14-15.3-201103 (A0K0167-13)				Matrix: SE				
Batch: 0110615								
Arsenic	5.40	0.412	0.824	mg/kg dry	5	11/18/20 17:32	EPA 6020B	
Cadmium	0.425	0.0824	0.165	mg/kg dry	5	11/18/20 17:32	EPA 6020B	
Chromium	34.2	0.412	0.824	mg/kg dry	5	11/18/20 17:32	EPA 6020B	
Copper	49.5	0.824	1.65	mg/kg dry	5	11/18/20 17:32	EPA 6020B	
Lead	32.7	0.0824	0.165	mg/kg dry	5	11/18/20 17:32	EPA 6020B	
Manganese	555	0.412	0.824	mg/kg dry	5	11/18/20 17:32	EPA 6020B	
Vanadium	106	0.824	1.65	mg/kg dry	5	11/18/20 17:32	EPA 6020B	
Zinc	142	1.65	3.30	mg/kg dry	5	11/18/20 17:32	EPA 6020B	

USMPDI-040SC-B-00-02-201103 (A0K0167-19)				Matrix: SE				
Batch: 0110615								
Arsenic	4.66	0.502	1.00	mg/kg dry	5	11/18/20 17:36	EPA 6020B	AMEND
Cadmium	0.281	0.100	0.201	mg/kg dry	5	11/18/20 17:36	EPA 6020B	AMEND
Chromium	28.6	0.502	1.00	mg/kg dry	5	11/18/20 17:36	EPA 6020B	AMEND
Copper	44.3	1.00	2.01	mg/kg dry	5	11/18/20 17:36	EPA 6020B	AMEND
Lead	23.1	0.100	0.201	mg/kg dry	5	11/18/20 17:36	EPA 6020B	AMEND
Manganese	533	0.502	1.00	mg/kg dry	5	11/18/20 17:36	EPA 6020B	AMEND
Vanadium	90.0	1.00	2.01	mg/kg dry	5	11/18/20 17:36	EPA 6020B	AMEND
Zinc	147	2.01	4.02	mg/kg dry	5	11/18/20 17:36	EPA 6020B	AMEND

USMPDI-040SC-B-02-04-201103 (A0K0167-20)				Matrix: SE				
Batch: 0110615								
Arsenic	5.23	0.458	0.917	mg/kg dry	5	11/18/20 17:41	EPA 6020B	
Cadmium	0.503	0.0917	0.183	mg/kg dry	5	11/18/20 17:41	EPA 6020B	

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Darwin Thomas, Business Development Director



ANALYTICAL REPORT

AMENDED REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062

Anchor QEA, LLC 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: US Moorings -- C2, C3, C4 Project Number: [none] Project Manager: Delaney Peterson	Report ID: A0K0167 - 08 16 21 1242
--------------------------------------------------------------------------------	-----------------------------------------------------------------------------------------------------------------	-----------------------------------------------------

ANALYTICAL SAMPLE RESULTS

Total Metals by EPA 6020B (ICPMS)

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
USMPDI-040SC-B-02-04-201103 (A0K0167-20)				Matrix: SE				
Chromium	32.3	0.458	0.917	mg/kg dry	5	11/18/20 17:41	EPA 6020B	
Copper	51.1	0.917	1.83	mg/kg dry	5	11/18/20 17:41	EPA 6020B	
Lead	34.0	0.0917	0.183	mg/kg dry	5	11/18/20 17:41	EPA 6020B	
Manganese	524	0.458	0.917	mg/kg dry	5	11/18/20 17:41	EPA 6020B	
Vanadium	101	0.917	1.83	mg/kg dry	5	11/18/20 17:41	EPA 6020B	
Zinc	174	1.83	3.67	mg/kg dry	5	11/18/20 17:41	EPA 6020B	
USMPDI-040SC-B-04-06-201103 (A0K0167-21)				Matrix: SE				
Batch: 0110615								
Arsenic	4.25	0.394	0.788	mg/kg dry	5	11/18/20 17:45	EPA 6020B	
Cadmium	0.238	0.0788	0.158	mg/kg dry	5	11/18/20 17:45	EPA 6020B	
Chromium	26.9	0.394	0.788	mg/kg dry	5	11/18/20 17:45	EPA 6020B	
Copper	35.6	0.788	1.58	mg/kg dry	5	11/18/20 17:45	EPA 6020B	
Lead	28.5	0.0788	0.158	mg/kg dry	5	11/18/20 17:45	EPA 6020B	
Manganese	557	0.394	0.788	mg/kg dry	5	11/18/20 17:45	EPA 6020B	
Vanadium	87.6	0.788	1.58	mg/kg dry	5	11/18/20 17:45	EPA 6020B	
Zinc	98.9	1.58	3.15	mg/kg dry	5	11/18/20 17:45	EPA 6020B	
USMPDI-040SC-B-06-08-201103 (A0K0167-22)				Matrix: SE				
Batch: 0110615								
Arsenic	3.87	0.371	0.742	mg/kg dry	5	11/18/20 17:50	EPA 6020B	
Cadmium	0.158	0.0742	0.148	mg/kg dry	5	11/18/20 17:50	EPA 6020B	
Chromium	21.7	0.371	0.742	mg/kg dry	5	11/18/20 17:50	EPA 6020B	
Copper	29.5	0.742	1.48	mg/kg dry	5	11/18/20 17:50	EPA 6020B	
Lead	31.3	0.0742	0.148	mg/kg dry	5	11/18/20 17:50	EPA 6020B	
Manganese	989	0.371	0.742	mg/kg dry	5	11/18/20 17:50	EPA 6020B	
Vanadium	77.4	0.742	1.48	mg/kg dry	5	11/18/20 17:50	EPA 6020B	
Zinc	74.2	1.48	2.97	mg/kg dry	5	11/18/20 17:50	EPA 6020B	
USMPDI-040SC-B-08-10-201103 (A0K0167-23)				Matrix: SE				
Batch: 0110615								
Arsenic	3.57	0.347	0.695	mg/kg dry	5	11/18/20 18:04	EPA 6020B	
Cadmium	0.126	0.0695	0.139	mg/kg dry	5	11/18/20 18:04	EPA 6020B	J
Chromium	22.7	0.347	0.695	mg/kg dry	5	11/18/20 18:04	EPA 6020B	

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Darwin Thomas, Business Development Director



ANALYTICAL REPORT

AMENDED REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062

Anchor QEA, LLC 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: US Moorings -- C2, C3, C4 Project Number: [none] Project Manager: Delaney Peterson	Report ID: A0K0167 - 08 16 21 1242
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ANALYTICAL SAMPLE RESULTS

Total Metals by EPA 6020B (ICPMS)

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
USMPDI-040SC-B-08-10-201103 (A0K0167-23)				Matrix: SE				
Copper	29.1	0.695	1.39	mg/kg dry	5	11/18/20 18:04	EPA 6020B	
Lead	17.4	0.0695	0.139	mg/kg dry	5	11/18/20 18:04	EPA 6020B	
Manganese	457	0.347	0.695	mg/kg dry	5	11/18/20 18:04	EPA 6020B	
Vanadium	77.7	0.695	1.39	mg/kg dry	5	11/18/20 18:04	EPA 6020B	
Zinc	74.1	1.39	2.78	mg/kg dry	5	11/18/20 18:04	EPA 6020B	
USMPDI-040SC-B-10-12-201103 (A0K0167-24)				Matrix: SE				
Batch: 0110615								
Arsenic	2.48	0.332	0.665	mg/kg dry	5	11/18/20 18:09	EPA 6020B	
Cadmium	ND	0.0665	0.133	mg/kg dry	5	11/18/20 18:09	EPA 6020B	
Chromium	14.5	0.332	0.665	mg/kg dry	5	11/18/20 18:09	EPA 6020B	
Copper	17.0	0.665	1.33	mg/kg dry	5	11/18/20 18:09	EPA 6020B	
Lead	2.77	0.0665	0.133	mg/kg dry	5	11/18/20 18:09	EPA 6020B	
Manganese	252	0.332	0.665	mg/kg dry	5	11/18/20 18:09	EPA 6020B	
Vanadium	64.6	0.665	1.33	mg/kg dry	5	11/18/20 18:09	EPA 6020B	
Zinc	47.5	1.33	2.66	mg/kg dry	5	11/18/20 18:09	EPA 6020B	
USMPDI-040SC-B-12-14-201103 (A0K0167-25)				Matrix: SE				
Batch: 0110615								
Arsenic	2.57	0.317	0.634	mg/kg dry	5	11/18/20 18:13	EPA 6020B	
Cadmium	ND	0.0634	0.127	mg/kg dry	5	11/18/20 18:13	EPA 6020B	
Chromium	15.4	0.317	0.634	mg/kg dry	5	11/18/20 18:13	EPA 6020B	
Copper	16.5	0.634	1.27	mg/kg dry	5	11/18/20 18:13	EPA 6020B	
Lead	2.78	0.0634	0.127	mg/kg dry	5	11/18/20 18:13	EPA 6020B	
Manganese	277	0.317	0.634	mg/kg dry	5	11/18/20 18:13	EPA 6020B	
Vanadium	70.3	0.634	1.27	mg/kg dry	5	11/18/20 18:13	EPA 6020B	
Zinc	46.2	1.27	2.53	mg/kg dry	5	11/18/20 18:13	EPA 6020B	
USMPDI-1040SC-B-10-12-201103 (A0K0167-26)				Matrix: SE				
Batch: 0110615								
Arsenic	2.49	0.330	0.660	mg/kg dry	5	11/18/20 18:18	EPA 6020B	
Cadmium	ND	0.0660	0.132	mg/kg dry	5	11/18/20 18:18	EPA 6020B	
Chromium	14.7	0.330	0.660	mg/kg dry	5	11/18/20 18:18	EPA 6020B	
Copper	17.5	0.660	1.32	mg/kg dry	5	11/18/20 18:18	EPA 6020B	

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Darwin Thomas, Business Development Director



ANALYTICAL REPORT

AMENDED REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062

Anchor QEA, LLC 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: US Moorings -- C2, C3, C4 Project Number: [none] Project Manager: Delaney Peterson	Report ID: A0K0167 - 08 16 21 1242
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ANALYTICAL SAMPLE RESULTS

Total Metals by EPA 6020B (ICPMS)

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
USMPDI-1040SC-B-10-12-201103 (A0K0167-26)				Matrix: SE				
Lead	2.92	0.0660	0.132	mg/kg dry	5	11/18/20 18:18	EPA 6020B	
Manganese	266	0.330	0.660	mg/kg dry	5	11/18/20 18:18	EPA 6020B	
Vanadium	65.3	0.660	1.32	mg/kg dry	5	11/18/20 18:18	EPA 6020B	
Zinc	48.8	1.32	2.64	mg/kg dry	5	11/18/20 18:18	EPA 6020B	
USMPDI-048SC-B-00-02-201103 (A0K0167-31)				Matrix: SE				
Batch: 0110615								
Arsenic	4.59	0.559	1.12	mg/kg dry	5	11/18/20 18:23	EPA 6020B	
Cadmium	0.260	0.112	0.224	mg/kg dry	5	11/18/20 18:23	EPA 6020B	
Chromium	28.2	0.559	1.12	mg/kg dry	5	11/18/20 18:23	EPA 6020B	
Copper	42.3	1.12	2.24	mg/kg dry	5	11/18/20 18:23	EPA 6020B	
Lead	23.2	0.112	0.224	mg/kg dry	5	11/18/20 18:23	EPA 6020B	
Manganese	623	0.559	1.12	mg/kg dry	5	11/18/20 18:23	EPA 6020B	
Vanadium	84.8	1.12	2.24	mg/kg dry	5	11/18/20 18:23	EPA 6020B	
Zinc	136	2.24	4.48	mg/kg dry	5	11/18/20 18:23	EPA 6020B	
USMPDI-048SC-B-02-04-201103 (A0K0167-32)				Matrix: SE				
Batch: 0110615								
Arsenic	5.80	0.463	0.927	mg/kg dry	5	11/18/20 18:27	EPA 6020B	
Cadmium	0.365	0.0927	0.185	mg/kg dry	5	11/18/20 18:27	EPA 6020B	
Chromium	33.2	0.463	0.927	mg/kg dry	5	11/18/20 18:27	EPA 6020B	
Copper	49.7	0.927	1.85	mg/kg dry	5	11/18/20 18:27	EPA 6020B	
Manganese	732	0.463	0.927	mg/kg dry	5	11/18/20 18:27	EPA 6020B	Q-42
Vanadium	103	0.927	1.85	mg/kg dry	5	11/18/20 18:27	EPA 6020B	Q-42
Zinc	175	1.85	3.71	mg/kg dry	5	11/18/20 18:27	EPA 6020B	
USMPDI-048SC-B-02-04-201103 (A0K0167-32RE1)				Matrix: SE				
Batch: 0110615								
Lead	1050	1.85	3.71	mg/kg dry	100	11/19/20 12:31	EPA 6020B	Q-42
USMPDI-048SC-B-04-06-201103 (A0K0167-33)				Matrix: SE				
Batch: 0110615								
Arsenic	4.60	0.426	0.851	mg/kg dry	5	11/18/20 18:41	EPA 6020B	
Cadmium	0.232	0.0851	0.170	mg/kg dry	5	11/18/20 18:41	EPA 6020B	

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Darwin Thomas, Business Development Director



ANALYTICAL REPORT

AMENDED REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323

ORELAP ID: OR100062

Anchor QEA, LLC 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: US Moorings -- C2, C3, C4 Project Number: [none] Project Manager: Delaney Peterson	Report ID: A0K0167 - 08 16 21 1242
--------------------------------------------------------------------------------	-----------------------------------------------------------------------------------------------------------------	-----------------------------------------------------

ANALYTICAL SAMPLE RESULTS

Total Metals by EPA 6020B (ICPMS)

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
USMPDI-048SC-B-04-06-201103 (A0K0167-33)				Matrix: SE				
Chromium	29.5	0.426	0.851	mg/kg dry	5	11/18/20 18:41	EPA 6020B	
Copper	40.5	0.851	1.70	mg/kg dry	5	11/18/20 18:41	EPA 6020B	
Lead	19.1	0.0851	0.170	mg/kg dry	5	11/18/20 18:41	EPA 6020B	
Manganese	594	0.426	0.851	mg/kg dry	5	11/18/20 18:41	EPA 6020B	
Vanadium	94.3	0.851	1.70	mg/kg dry	5	11/18/20 18:41	EPA 6020B	
Zinc	125	1.70	3.40	mg/kg dry	5	11/18/20 18:41	EPA 6020B	
USMPDI-048SC-B-06-08-201103 (A0K0167-34)				Matrix: SE				
Batch: 0110615								
Arsenic	5.81	0.436	0.871	mg/kg dry	5	11/18/20 18:46	EPA 6020B	
Cadmium	0.359	0.0871	0.174	mg/kg dry	5	11/18/20 18:46	EPA 6020B	
Chromium	33.6	0.436	0.871	mg/kg dry	5	11/18/20 18:46	EPA 6020B	
Copper	50.7	0.871	1.74	mg/kg dry	5	11/18/20 18:46	EPA 6020B	
Lead	41.1	0.0871	0.174	mg/kg dry	5	11/18/20 18:46	EPA 6020B	
Manganese	692	0.436	0.871	mg/kg dry	5	11/18/20 18:46	EPA 6020B	
Vanadium	108	0.871	1.74	mg/kg dry	5	11/18/20 18:46	EPA 6020B	
Zinc	164	1.74	3.49	mg/kg dry	5	11/18/20 18:46	EPA 6020B	
USMPDI-048SC-B-08-10-201103 (A0K0167-35)				Matrix: SE				
Batch: 0110692								
Arsenic	4.50	0.406	0.811	mg/kg dry	5	11/19/20 13:01	EPA 6020B	
Cadmium	0.290	0.0811	0.162	mg/kg dry	5	11/19/20 13:01	EPA 6020B	
Chromium	26.6	0.406	0.811	mg/kg dry	5	11/19/20 13:01	EPA 6020B	
Copper	39.3	0.811	1.62	mg/kg dry	5	11/19/20 13:01	EPA 6020B	
Lead	20.9	0.0811	0.162	mg/kg dry	5	11/19/20 13:01	EPA 6020B	
Manganese	551	0.406	0.811	mg/kg dry	5	11/19/20 13:01	EPA 6020B	
Vanadium	88.2	0.811	1.62	mg/kg dry	5	11/19/20 13:01	EPA 6020B	
Zinc	105	1.62	3.25	mg/kg dry	5	11/19/20 13:01	EPA 6020B	
USMPDI-048SC-B-10-12-201103 (A0K0167-36)				Matrix: SE				
Batch: 0110692								
Arsenic	5.32	0.410	0.820	mg/kg dry	5	11/19/20 13:06	EPA 6020B	
Cadmium	0.319	0.0820	0.164	mg/kg dry	5	11/19/20 13:06	EPA 6020B	
Chromium	30.0	0.410	0.820	mg/kg dry	5	11/19/20 13:06	EPA 6020B	

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Darwin Thomas, Business Development Director



ANALYTICAL REPORT

AMENDED REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062

Table with project details: Anchor QEA, LLC, Project: US Moorings -- C2, C3, C4, Project Number: [none], Project Manager: Delaney Peterson, Report ID: A0K0167 - 08 16 21 1242

ANALYTICAL SAMPLE RESULTS

Total Metals by EPA 6020B (ICPMS)

Main data table with columns: Analyte, Sample Result, Detection Limit, Reporting Limit, Units, Dilution, Date Analyzed, Method Ref., Notes. Includes three sections for different sample IDs (A0K0167-36, A0K0167-37, A0K0167-38) with various metal concentrations.

Apex Laboratories

Signature of Darwin Thomas

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Darwin Thomas, Business Development Director



ANALYTICAL REPORT

AMENDED REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062

Anchor QEA, LLC 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: US Moorings -- C2, C3, C4 Project Number: [none] Project Manager: Delaney Peterson	Report ID: A0K0167 - 08 16 21 1242
--------------------------------------------------------------------------------	-----------------------------------------------------------------------------------------------------------------	-----------------------------------------------------

ANALYTICAL SAMPLE RESULTS

Soluble Cyanide by UV Digestion/Gas Diffusion/Amperometric Detection

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
USMPDI-038SC-B-00-02-201103 (A0K0167-06)				Matrix: SE		Batch: 0110270		
Total Cyanide	7.26	1.14	2.27	mg/kg dry	10	11/12/20 15:50	D7511-12	
USMPDI-038SC-B-02-04-201103 (A0K0167-07)				Matrix: SE		Batch: 0110270		
Total Cyanide	8.00	1.03	2.05	mg/kg dry	10	11/12/20 15:52	D7511-12	
USMPDI-038SC-B-04-06-201103 (A0K0167-08)				Matrix: SE		Batch: 0110270		
Total Cyanide	6.47	0.888	1.78	mg/kg dry	10	11/12/20 15:54	D7511-12	
USMPDI-038SC-B-06-08-201103 (A0K0167-09)				Matrix: SE		Batch: 0110270		
Total Cyanide	11.3	0.908	1.82	mg/kg dry	10	11/12/20 15:58	D7511-12	
USMPDI-038SC-B-08-10-201103 (A0K0167-10)				Matrix: SE		Batch: 0110270		
Total Cyanide	14.8	0.842	1.68	mg/kg dry	10	11/12/20 16:00	D7511-12	
USMPDI-038SC-B-10-12-201103 (A0K0167-11RE1)				Matrix: SE		Batch: 0110270		
Total Cyanide	26.5	1.71	3.43	mg/kg dry	20	11/12/20 17:31	D7511-12	
USMPDI-038SC-B-12-14-201103 (A0K0167-12)				Matrix: SE		Batch: 0110270		
Total Cyanide	13.6	0.817	1.63	mg/kg dry	10	11/12/20 16:06	D7511-12	
USMPDI-038SC-B-14-15.3-201103 (A0K0167-13RE1)				Matrix: SE		Batch: 0110270		
Total Cyanide	64.0	4.14	8.28	mg/kg dry	50	11/12/20 17:33	D7511-12	
USMPDI-040SC-B-00-02-201103 (A0K0167-19RE1)				Matrix: SE		Batch: 0110270		
Total Cyanide	38.9	2.01	4.02	mg/kg dry	20	11/12/20 17:37	D7511-12	AMEND
USMPDI-040SC-B-02-04-201103 (A0K0167-20RE1)				Matrix: SE		Batch: 0110270		
Total Cyanide	59.9	3.56	7.12	mg/kg dry	40	11/12/20 17:39	D7511-12	
USMPDI-040SC-B-04-06-201103 (A0K0167-21)				Matrix: SE		Batch: 0110270		
Total Cyanide	13.1	0.769	1.54	mg/kg dry	10	11/12/20 16:24	D7511-12	
USMPDI-040SC-B-06-08-201103 (A0K0167-22RE2)				Matrix: SE		Batch: 0110270		
Total Cyanide	0.660	0.0728	0.146	mg/kg dry	1	11/13/20 11:07	D7511-12	
USMPDI-040SC-B-08-10-201103 (A0K0167-23RE2)				Matrix: SE		Batch: 0110270		

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ANALYTICAL REPORT

AMENDED REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062

Anchor QEA, LLC 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: US Moorings -- C2, C3, C4 Project Number: [none] Project Manager: Delaney Peterson	Report ID: A0K0167 - 08 16 21 1242
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ANALYTICAL SAMPLE RESULTS

Soluble Cyanide by UV Digestion/Gas Diffusion/Amperometric Detection

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
USMPDI-040SC-B-08-10-201103 (A0K0167-23RE2)				Matrix: SE		Batch: 0110270		
Total Cyanide	0.506	0.0689	0.138	mg/kg dry	1	11/13/20 11:09	D7511-12	
USMPDI-040SC-B-10-12-201103 (A0K0167-24)				Matrix: SE		Batch: 0110270		
Total Cyanide	ND	0.0656	0.131	mg/kg dry	1	11/12/20 16:32	D7511-12	
USMPDI-040SC-B-12-14-201103 (A0K0167-25)				Matrix: SE		Batch: 0110270		
Total Cyanide	ND	0.0605	0.121	mg/kg dry	1	11/12/20 16:34	D7511-12	
USMPDI-1040SC-B-10-12-201103 (A0K0167-26)				Matrix: SE		Batch: 0110270		
Total Cyanide	ND	0.0647	0.129	mg/kg dry	1	11/12/20 16:36	D7511-12	
USMPDI-048SC-B-00-02-201103 (A0K0167-31RE2)				Matrix: SE		Batch: 0110270		
Total Cyanide	35.4	2.10	4.21	mg/kg dry	20	11/13/20 11:11	D7511-12	
USMPDI-048SC-B-02-04-201103 (A0K0167-32RE2)				Matrix: SE		Batch: 0110270		
Total Cyanide	111	9.07	18.1	mg/kg dry	100	11/13/20 11:15	D7511-12	
USMPDI-048SC-B-04-06-201103 (A0K0167-33RE3)				Matrix: SE		Batch: 0110270		
Total Cyanide	35.8	2.09	4.19	mg/kg dry	25	11/13/20 13:02	D7511-12	
USMPDI-048SC-B-06-08-201103 (A0K0167-34RE1)				Matrix: SE		Batch: 0110330		
Total Cyanide	63.4	4.29	8.59	mg/kg dry	50	11/13/20 13:06	D7511-12	
USMPDI-048SC-B-08-10-201103 (A0K0167-35RE1)				Matrix: SE		Batch: 0110330		
Total Cyanide	7.74	0.811	1.62	mg/kg dry	10	11/13/20 13:08	D7511-12	
USMPDI-048SC-B-10-12-201103 (A0K0167-36RE1)				Matrix: SE		Batch: 0110330		
Total Cyanide	20.0	2.02	4.04	mg/kg dry	25	11/13/20 13:10	D7511-12	
USMPDI-048SC-B-12-14-201103 (A0K0167-37RE1)				Matrix: SE		Batch: 0110330		
Total Cyanide	11.9	0.756	1.51	mg/kg dry	10	11/13/20 13:14	D7511-12	
USMPDI-048SC-B-14-16-201103 (A0K0167-38)				Matrix: SE		Batch: 0110330		
Total Cyanide	0.211	0.0700	0.140	mg/kg dry	1	11/13/20 11:51	D7511-12	

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Anchor QEA, LLC 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: US Moorings -- C2, C3, C4 Project Number: [none] Project Manager: Delaney Peterson	Report ID: A0K0167 - 08 16 21 1242
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ANALYTICAL SAMPLE RESULTS

Demand Parameters

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
USMPDI-038SC-A-11-12-201103 (A0K0167-01)				Matrix: SE				
Batch: 0110195								
Total Organic Carbon	2.5	---	0.034	% by Weight dry	1	11/10/20 02:46	PSEP_SM 5310B MOD	
USMPDI-038SC-A-12-13-201103 (A0K0167-02)				Matrix: SE				
Batch: 0110195								
Total Organic Carbon	2.5	---	0.033	% by Weight dry	1	11/10/20 03:29	PSEP_SM 5310B MOD	
USMPDI-038SC-A-13-14-201103 (A0K0167-03)				Matrix: SE				
Batch: 0110195								
Total Organic Carbon	2.8	---	0.035	% by Weight dry	1	11/10/20 03:40	PSEP_SM 5310B MOD	
USMPDI-038SC-A-14-15-201103 (A0K0167-04)				Matrix: SE				
Batch: 0110195								
Total Organic Carbon	2.4	---	0.033	% by Weight dry	1	11/10/20 03:51	PSEP_SM 5310B MOD	
USMPDI-038SC-B-00-02-201103 (A0K0167-06)				Matrix: SE				
Batch: 0110195								
Total Organic Carbon	2.7	---	0.046	% by Weight dry	1	11/10/20 04:02	PSEP_SM 5310B MOD	
USMPDI-038SC-B-02-04-201103 (A0K0167-07)				Matrix: SE				
Batch: 0110195								
Total Organic Carbon	2.7	---	0.042	% by Weight dry	1	11/10/20 04:13	PSEP_SM 5310B MOD	
USMPDI-038SC-B-04-06-201103 (A0K0167-08)				Matrix: SE				
Batch: 0110195								
Total Organic Carbon	2.1	---	0.037	% by Weight dry	1	11/10/20 04:24	PSEP_SM 5310B MOD	
USMPDI-038SC-B-06-08-201103 (A0K0167-09)				Matrix: SE				
Batch: 0110195								
Total Organic Carbon	2.6	---	0.037	% by Weight dry	1	11/10/20 04:35	PSEP_SM 5310B MOD	

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ANALYTICAL SAMPLE RESULTS

Demand Parameters

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
USMPDI-038SC-B-08-10-201103 (A0K0167-10) Matrix: SE								
Batch: 0110195								
Total Organic Carbon	2.1	---	0.034	% by Weight dry	1	11/10/20 04:45	PSEP_SM 5310B MOD	
USMPDI-040SC-A-05-06-201103 (A0K0167-14) Matrix: SE								
Batch: 0110195								
Total Organic Carbon	2.0	---	0.031	% by Weight dry	1	11/10/20 04:56	PSEP_SM 5310B MOD	
USMPDI-040SC-A-06-07-201103 (A0K0167-15) Matrix: SE								
Batch: 0110195								
Total Organic Carbon	1.8	---	0.031	% by Weight dry	1	11/10/20 05:07	PSEP_SM 5310B MOD	
USMPDI-040SC-A-07-08-201103 (A0K0167-16) Matrix: SE								
Batch: 0110197								
Total Organic Carbon	0.42	---	0.029	% by Weight dry	1	11/10/20 18:23	PSEP_SM 5310B MOD	
USMPDI-040SC-A-08-09-201103 (A0K0167-17) Matrix: SE								
Batch: 0110197								
Total Organic Carbon	0.16	---	0.025	% by Weight dry	1	11/10/20 18:34	PSEP_SM 5310B MOD	
USMPDI-1040SC-A-08-09-201103 (A0K0167-18) Matrix: SE								
Batch: 0110197								
Total Organic Carbon	0.32	---	0.025	% by Weight dry	1	11/10/20 18:45	PSEP_SM 5310B MOD	
USMPDI-040SC-B-00-02-201103 (A0K0167-19) Matrix: SE								
Batch: 0110197								
Total Organic Carbon	2.3	---	0.041	% by Weight dry	1	11/10/20 18:56	PSEP_SM 5310B MOD	AMEND
USMPDI-040SC-B-02-04-201103 (A0K0167-20) Matrix: SE								
Batch: 0110197								

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Anchor QEA, LLC 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: US Moorings -- C2, C3, C4 Project Number: [none] Project Manager: Delaney Peterson	Report ID: A0K0167 - 08 16 21 1242
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ANALYTICAL SAMPLE RESULTS

Demand Parameters

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
USMPDI-040SC-B-02-04-201103 (A0K0167-20)				Matrix: SE				
Total Organic Carbon	2.6	---	0.036	% by Weight dry	1	11/10/20 19:06	PSEP_SM 5310B MOD	
USMPDI-040SC-B-10-12-201103 (A0K0167-24)				Matrix: SE				
Batch: 0110197								
Total Organic Carbon	0.028	---	0.026	% by Weight dry	1	11/10/20 19:17	PSEP_SM 5310B MOD	
USMPDI-040SC-B-12-14-201103 (A0K0167-25)				Matrix: SE				
Batch: 0110197								
Total Organic Carbon	0.036	---	0.024	% by Weight dry	1	11/10/20 19:50	PSEP_SM 5310B MOD	
USMPDI-1040SC-B-10-12-201103 (A0K0167-26)				Matrix: SE				
Batch: 0110197								
Total Organic Carbon	0.041	---	0.027	% by Weight dry	1	11/10/20 20:01	PSEP_SM 5310B MOD	
USMPDI-048SC-A-12-13-201103 (A0K0167-27)				Matrix: SE				
Batch: 0110197								
Total Organic Carbon	1.5	---	0.030	% by Weight dry	1	11/10/20 20:11	PSEP_SM 5310B MOD	
USMPDI-048SC-A-13-14-201103 (A0K0167-28)				Matrix: SE				
Batch: 0110197								
Total Organic Carbon	1.5	---	0.031	% by Weight dry	1	11/10/20 20:22	PSEP_SM 5310B MOD	
USMPDI-048SC-A-14-15-201103 (A0K0167-29)				Matrix: SE				
Batch: 0110197								
Total Organic Carbon	0.36	---	0.028	% by Weight dry	1	11/10/20 20:33	PSEP_SM 5310B MOD	
USMPDI-048SC-A-15-16-201103 (A0K0167-30)				Matrix: SE				
Batch: 0110197								
Total Organic Carbon	0.13	---	0.028	% by Weight dry	1	11/10/20 20:44	PSEP_SM 5310B MOD	

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Anchor QEA, LLC 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: US Moorings -- C2, C3, C4 Project Number: [none] Project Manager: Delaney Peterson	Report ID: A0K0167 - 08 16 21 1242
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ANALYTICAL SAMPLE RESULTS

Demand Parameters

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
USMPDI-048SC-B-00-02-201103 (A0K0167-31)				Matrix: SE				
Batch: 0110197								
Total Organic Carbon	2.6	---	0.044	% by Weight dry	1	11/10/20 21:16	PSEP_SM 5310B MOD	
USMPDI-048SC-B-02-04-201103 (A0K0167-32)				Matrix: SE				
Batch: 0110197								
Total Organic Carbon	2.6	---	0.036	% by Weight dry	1	11/10/20 21:27	PSEP_SM 5310B MOD	
USMPDI-048SC-B-04-06-201103 (A0K0167-33)				Matrix: SE				
Batch: 0110197								
Total Organic Carbon	1.9	---	0.034	% by Weight dry	1	11/10/20 22:10	PSEP_SM 5310B MOD	
USMPDI-048SC-B-06-08-201103 (A0K0167-34)				Matrix: SE				
Batch: 0110197								
Total Organic Carbon	2.8	---	0.036	% by Weight dry	1	11/10/20 22:21	PSEP_SM 5310B MOD	
USMPDI-048SC-B-08-10-201103 (A0K0167-35)				Matrix: SE				
Batch: 0110197								
Total Organic Carbon	1.9	---	0.033	% by Weight dry	1	11/10/20 22:32	PSEP_SM 5310B MOD	
USMPDI-048SC-B-10-12-201103 (A0K0167-36)				Matrix: SE				
Batch: 0110197								
Total Organic Carbon	3.2	---	0.033	% by Weight dry	1	11/10/20 22:42	PSEP_SM 5310B MOD	

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503-718-2323
ORELAP ID: OR100062

Anchor QEA, LLC 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: US Moorings -- C2, C3, C4 Project Number: [none] Project Manager: Delaney Peterson	Report ID: A0K0167 - 08 16 21 1242
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ANALYTICAL SAMPLE RESULTS

Solid and Moisture Determinations

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
USMPDI-038SC-A-11-12-201103 (A0K0167-01)				Matrix: SE				
Batch: 0110192								
Total Solids	58.1	---	1.00	%	1	11/09/20 12:58	SM 2540 G	
USMPDI-038SC-A-12-13-201103 (A0K0167-02)				Matrix: SE				
Batch: 0110192								
Total Solids	59.9	---	1.00	%	1	11/09/20 12:58	SM 2540 G	
USMPDI-038SC-A-13-14-201103 (A0K0167-03)				Matrix: SE				
Batch: 0110192								
Total Solids	56.9	---	1.00	%	1	11/09/20 12:58	SM 2540 G	
USMPDI-038SC-A-14-15-201103 (A0K0167-04)				Matrix: SE				
Batch: 0110192								
Total Solids	60.0	---	1.00	%	1	11/09/20 12:58	SM 2540 G	
USMPDI-038SC-B-00-02-201103 (A0K0167-06)				Matrix: SE				
Batch: 0110192								
Total Solids	43.9	---	1.00	%	1	11/09/20 12:58	SM 2540 G	
USMPDI-038SC-B-02-04-201103 (A0K0167-07)				Matrix: SE				
Batch: 0110192								
Total Solids	47.5	---	1.00	%	1	11/09/20 12:58	SM 2540 G	
USMPDI-038SC-B-04-06-201103 (A0K0167-08)				Matrix: SE				
Batch: 0110192								
Total Solids	54.8	---	1.00	%	1	11/09/20 12:58	SM 2540 G	
USMPDI-038SC-B-06-08-201103 (A0K0167-09)				Matrix: SE				
Batch: 0110192								
Total Solids	53.7	---	1.00	%	1	11/09/20 12:58	SM 2540 G	
USMPDI-038SC-B-08-10-201103 (A0K0167-10)				Matrix: SE				
Batch: 0110192								
Total Solids	58.2	---	1.00	%	1	11/09/20 12:58	SM 2540 G	
USMPDI-038SC-B-10-12-201103 (A0K0167-11)				Matrix: SE				
Batch: 0110192								

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ANALYTICAL REPORT

AMENDED REPORT

Apex Laboratories, LLC

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503-718-2323
ORELAP ID: OR100062

Anchor QEA, LLC 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: US Moorings -- C2, C3, C4 Project Number: [none] Project Manager: Delaney Peterson	Report ID: A0K0167 - 08 16 21 1242
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ANALYTICAL SAMPLE RESULTS

Solid and Moisture Determinations

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
USMPDI-038SC-B-10-12-201103 (A0K0167-11)				Matrix: SE				
Total Solids	57.7	---	1.00	%	1	11/09/20 12:58	SM 2540 G	
USMPDI-038SC-B-12-14-201103 (A0K0167-12)				Matrix: SE				
Batch: 0110192								
Total Solids	60.1	---	1.00	%	1	11/09/20 12:58	SM 2540 G	
USMPDI-038SC-B-14-15.3-201103 (A0K0167-13)				Matrix: SE				
Batch: 0110192								
Total Solids	59.0	---	1.00	%	1	11/09/20 12:58	SM 2540 G	
USMPDI-040SC-A-05-06-201103 (A0K0167-14)				Matrix: SE				
Batch: 0110193								
Total Solids	63.8	---	1.00	%	1	11/09/20 16:37	SM 2540 G	
USMPDI-040SC-A-06-07-201103 (A0K0167-15)				Matrix: SE				
Batch: 0110193								
Total Solids	65.4	---	1.00	%	1	11/09/20 16:37	SM 2540 G	
USMPDI-040SC-A-07-08-201103 (A0K0167-16)				Matrix: SE				
Batch: 0110193								
Total Solids	69.1	---	1.00	%	1	11/09/20 16:37	SM 2540 G	
USMPDI-040SC-A-08-09-201103 (A0K0167-17)				Matrix: SE				
Batch: 0110193								
Total Solids	80.0	---	1.00	%	1	11/09/20 16:37	SM 2540 G	
USMPDI-1040SC-A-08-09-201103 (A0K0167-18)				Matrix: SE				
Batch: 0110193								
Total Solids	79.7	---	1.00	%	1	11/09/20 16:37	SM 2540 G	
USMPDI-040SC-B-00-02-201103 (A0K0167-19RE1)				Matrix: SE				
Batch: 0110397								
Total Solids	48.9	---	1.00	%	1	11/12/20 18:07	SM 2540 G	AMEND
USMPDI-040SC-B-02-04-201103 (A0K0167-20)				Matrix: SE				
Batch: 0110193								

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Anchor QEA, LLC 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: US Moorings -- C2, C3, C4 Project Number: [none] Project Manager: Delaney Peterson	Report ID: A0K0167 - 08 16 21 1242
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ANALYTICAL SAMPLE RESULTS

Solid and Moisture Determinations

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
USMPDI-040SC-B-02-04-201103 (A0K0167-20)				Matrix: SE				
Total Solids	54.9	---	1.00	%	1	11/09/20 16:37	SM 2540 G	
USMPDI-040SC-B-04-06-201103 (A0K0167-21)				Matrix: SE				
Batch: 0110193								
Total Solids	62.6	---	1.00	%	1	11/09/20 16:37	SM 2540 G	
USMPDI-040SC-B-06-08-201103 (A0K0167-22)				Matrix: SE				
Batch: 0110193								
Total Solids	66.5	---	1.00	%	1	11/09/20 16:37	SM 2540 G	
USMPDI-040SC-B-08-10-201103 (A0K0167-23)				Matrix: SE				
Batch: 0110193								
Total Solids	72.0	---	1.00	%	1	11/09/20 16:37	SM 2540 G	
USMPDI-040SC-B-10-12-201103 (A0K0167-24)				Matrix: SE				
Batch: 0110193								
Total Solids	75.8	---	1.00	%	1	11/09/20 16:37	SM 2540 G	
USMPDI-040SC-B-12-14-201103 (A0K0167-25)				Matrix: SE				
Batch: 0110193								
Total Solids	82.0	---	1.00	%	1	11/09/20 16:37	SM 2540 G	
USMPDI-1040SC-B-10-12-201103 (A0K0167-26)				Matrix: SE				
Batch: 0110193								
Total Solids	75.4	---	1.00	%	1	11/09/20 16:37	SM 2540 G	
USMPDI-048SC-A-12-13-201103 (A0K0167-27)				Matrix: SE				
Batch: 0110193								
Total Solids	66.3	---	1.00	%	1	11/09/20 16:37	SM 2540 G	
USMPDI-048SC-A-13-14-201103 (A0K0167-28)				Matrix: SE				
Batch: 0110193								
Total Solids	63.6	---	1.00	%	1	11/09/20 16:37	SM 2540 G	
USMPDI-048SC-A-14-15-201103 (A0K0167-29)				Matrix: SE				
Batch: 0110193								

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--------------------------------------------------------------------------------	-----------------------------------------------------------------------------------------------------------------	-----------------------------------------------------

ANALYTICAL SAMPLE RESULTS

Solid and Moisture Determinations

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
USMPDI-048SC-A-14-15-201103 (A0K0167-29)				Matrix: SE				
Total Solids	71.9	---	1.00	%	1	11/09/20 16:37	SM 2540 G	
USMPDI-048SC-A-15-16-201103 (A0K0167-30)				Matrix: SE				
Batch: 0110193								
Total Solids	71.3	---	1.00	%	1	11/09/20 16:37	SM 2540 G	
USMPDI-048SC-B-00-02-201103 (A0K0167-31)				Matrix: SE				
Batch: 0110193								
Total Solids	45.8	---	1.00	%	1	11/09/20 16:37	SM 2540 G	
USMPDI-048SC-B-02-04-201103 (A0K0167-32RE1)				Matrix: SE				
Batch: 0110397								
Total Solids	55.8	---	1.00	%	1	11/12/20 18:07	SM 2540 G	
USMPDI-048SC-B-04-06-201103 (A0K0167-33)				Matrix: SE				
Batch: 0110193								
Total Solids	58.3	---	1.00	%	1	11/09/20 16:37	SM 2540 G	
USMPDI-048SC-B-06-08-201103 (A0K0167-34)				Matrix: SE				
Batch: 0110264								
Total Solids	56.3	---	1.00	%	1	11/11/20 12:31	SM 2540 G	
USMPDI-048SC-B-08-10-201103 (A0K0167-35)				Matrix: SE				
Batch: 0110264								
Total Solids	60.7	---	1.00	%	1	11/11/20 12:31	SM 2540 G	
USMPDI-048SC-B-10-12-201103 (A0K0167-36)				Matrix: SE				
Batch: 0110264								
Total Solids	59.9	---	1.00	%	1	11/11/20 12:31	SM 2540 G	
USMPDI-048SC-B-12-14-201103 (A0K0167-37)				Matrix: SE				
Batch: 0110264								
Total Solids	63.7	---	1.00	%	1	11/11/20 12:31	SM 2540 G	
USMPDI-048SC-B-14-16-201103 (A0K0167-38)				Matrix: SE				
Batch: 0110264								

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Darwin Thomas, Business Development Director



ANALYTICAL REPORT

AMENDED REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062

Anchor QEA, LLC 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: US Moorings -- C2, C3, C4 Project Number: [none] Project Manager: Delaney Peterson	Report ID: A0K0167 - 08 16 21 1242
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ANALYTICAL SAMPLE RESULTS

Solid and Moisture Determinations

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
USMPDI-048SC-B-14-16-201103 (A0K0167-38)				Matrix: SE				
Total Solids	68.7	---	1.00	%	1	11/11/20 12:31	SM 2540 G	

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QUALITY CONTROL (QC) SAMPLE RESULTS

Selected Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0110187 - EPA 5030B												
Water												
Blank (0110187-BLK1)												
Prepared: 07/30/20 07:30 Analyzed: 11/06/20 09:25												
<u>EPA 8260D</u>												
Benzene	ND	0.100	0.200	ug/L	1	---	---	---	---	---	---	
Toluene	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
Ethylbenzene	ND	0.250	0.500	ug/L	1	---	---	---	---	---	---	
m,p-Xylene	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
o-Xylene	ND	0.250	0.500	ug/L	1	---	---	---	---	---	---	
Chlorobenzene	ND	0.250	0.500	ug/L	1	---	---	---	---	---	---	
1,1-Dichloroethene	ND	0.200	0.400	ug/L	1	---	---	---	---	---	---	
cis-1,2-Dichloroethene	ND	0.200	0.400	ug/L	1	---	---	---	---	---	---	
Tetrachloroethene (PCE)	ND	0.200	0.400	ug/L	1	---	---	---	---	---	---	
Trichloroethene (TCE)	ND	0.200	0.400	ug/L	1	---	---	---	---	---	---	
Vinyl chloride	ND	0.200	0.400	ug/L	1	---	---	---	---	---	---	
Surr: 1,4-Difluorobenzene (Surr) Recovery: 106 % Limits: 80-120 % Dilution: 1x												
Toluene-d8 (Surr) 103 % 80-120 % "												
4-Bromofluorobenzene (Surr) 101 % 80-120 % "												

LCS (0110187-BS1)												
Prepared: 07/30/20 07:30 Analyzed: 11/06/20 08:28												
<u>EPA 8260D</u>												
Benzene	19.9	0.100	0.200	ug/L	1	20.0	---	100	80-120%	---	---	
Toluene	19.1	0.500	1.00	ug/L	1	20.0	---	95	80-120%	---	---	
Ethylbenzene	21.3	0.250	0.500	ug/L	1	20.0	---	107	80-120%	---	---	
m,p-Xylene	46.1	0.500	1.00	ug/L	1	40.0	---	115	80-120%	---	---	
o-Xylene	22.8	0.250	0.500	ug/L	1	20.0	---	114	80-120%	---	---	
Chlorobenzene	20.1	0.250	0.500	ug/L	1	20.0	---	101	80-120%	---	---	
1,1-Dichloroethene	20.2	0.200	0.400	ug/L	1	20.0	---	101	80-120%	---	---	
cis-1,2-Dichloroethene	20.8	0.200	0.400	ug/L	1	20.0	---	104	80-120%	---	---	
Tetrachloroethene (PCE)	20.7	0.200	0.400	ug/L	1	20.0	---	103	80-120%	---	---	
Trichloroethene (TCE)	19.1	0.200	0.400	ug/L	1	20.0	---	96	80-120%	---	---	
Vinyl chloride	18.9	0.200	0.400	ug/L	1	20.0	---	95	80-120%	---	---	
Surr: 1,4-Difluorobenzene (Surr) Recovery: 98 % Limits: 80-120 % Dilution: 1x												
Toluene-d8 (Surr) 100 % 80-120 % "												
4-Bromofluorobenzene (Surr) 93 % 80-120 % "												

Duplicate (0110187-DUP1)												
Prepared: 07/30/20 07:30 Analyzed: 11/06/20 10:57												

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ANALYTICAL REPORT

AMENDED REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062

Anchor QEA, LLC 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: US Moorings -- C2, C3, C4 Project Number: [none] Project Manager: Delaney Peterson	Report ID: A0K0167 - 08 16 21 1242
--------------------------------------------------------------------------------	-----------------------------------------------------------------------------------------------------------------	-----------------------------------------------------

QUALITY CONTROL (QC) SAMPLE RESULTS

Selected Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0110187 - EPA 5030B												
Water												
Duplicate (0110187-DUP1)			Prepared: 07/30/20 07:30 Analyzed: 11/06/20 10:57									
QC Source Sample: Non-SDG (A0K0071-01)												
Benzene	ND	0.100	0.200	ug/L	1	---	ND	---	---	---	30%	
Toluene	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
Ethylbenzene	ND	0.250	0.500	ug/L	1	---	ND	---	---	---	30%	
m,p-Xylene	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
o-Xylene	ND	0.250	0.500	ug/L	1	---	ND	---	---	---	30%	
Chlorobenzene	ND	0.250	0.500	ug/L	1	---	ND	---	---	---	30%	
1,1-Dichloroethene	ND	0.200	0.400	ug/L	1	---	ND	---	---	---	30%	
cis-1,2-Dichloroethene	ND	0.200	0.400	ug/L	1	---	ND	---	---	---	30%	
Tetrachloroethene (PCE)	ND	0.200	0.400	ug/L	1	---	ND	---	---	---	30%	
Trichloroethene (TCE)	ND	0.200	0.400	ug/L	1	---	ND	---	---	---	30%	
Vinyl chloride	ND	0.200	0.400	ug/L	1	---	ND	---	---	---	30%	
<i>Surr: 1,4-Difluorobenzene (Surr)</i>		<i>Recovery: 107 %</i>		<i>Limits: 80-120 %</i>		<i>Dilution: 1x</i>						
<i>Toluene-d8 (Surr)</i>		<i>103 %</i>		<i>80-120 %</i>		<i>"</i>						
<i>4-Bromofluorobenzene (Surr)</i>		<i>101 %</i>		<i>80-120 %</i>		<i>"</i>						

Matrix Spike (0110187-MS1)			Prepared: 07/30/20 07:30 Analyzed: 11/06/20 11:54									
QC Source Sample: Non-SDG (A0K0071-02)												
EPA 8260D												
Benzene	21.5	0.100	0.200	ug/L	1	20.0	ND	107	79-120%	---	---	
Toluene	20.3	0.500	1.00	ug/L	1	20.0	ND	101	80-121%	---	---	
Ethylbenzene	22.4	0.250	0.500	ug/L	1	20.0	ND	112	79-121%	---	---	
m,p-Xylene	47.9	0.500	1.00	ug/L	1	40.0	ND	120	80-121%	---	---	
o-Xylene	23.7	0.250	0.500	ug/L	1	20.0	ND	119	78-122%	---	---	
Chlorobenzene	21.1	0.250	0.500	ug/L	1	20.0	ND	105	80-120%	---	---	
1,1-Dichloroethene	23.0	0.200	0.400	ug/L	1	20.0	ND	115	71-131%	---	---	
cis-1,2-Dichloroethene	21.9	0.200	0.400	ug/L	1	20.0	ND	110	78-123%	---	---	
Tetrachloroethene (PCE)	21.7	0.200	0.400	ug/L	1	20.0	ND	109	74-129%	---	---	
Trichloroethene (TCE)	20.5	0.200	0.400	ug/L	1	20.0	ND	102	79-123%	---	---	
Vinyl chloride	20.9	0.200	0.400	ug/L	1	20.0	ND	104	58-137%	---	---	
<i>Surr: 1,4-Difluorobenzene (Surr)</i>		<i>Recovery: 99 %</i>		<i>Limits: 80-120 %</i>		<i>Dilution: 1x</i>						
<i>Toluene-d8 (Surr)</i>		<i>97 %</i>		<i>80-120 %</i>		<i>"</i>						
<i>4-Bromofluorobenzene (Surr)</i>		<i>94 %</i>		<i>80-120 %</i>		<i>"</i>						

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ANALYTICAL REPORT

AMENDED REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062

Anchor QEA, LLC 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: US Moorings -- C2, C3, C4 Project Number: [none] Project Manager: Delaney Peterson	Report ID: A0K0167 - 08 16 21 1242
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QUALITY CONTROL (QC) SAMPLE RESULTS

Selected Volatile Organic Compounds by EPA 5035A/8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0110296 - EPA 5035A						Soil						
Blank (0110296-BLK1)			Prepared: 11/09/20 09:00 Analyzed: 11/09/20 16:15									
<u>5035A/8260D</u>												
Benzene	ND	3.33	6.67	ug/kg wet	50	---	---	---	---	---	---	
Toluene	ND	16.7	33.3	ug/kg wet	50	---	---	---	---	---	---	
Ethylbenzene	ND	8.33	16.7	ug/kg wet	50	---	---	---	---	---	---	
m,p-Xylene	ND	16.7	33.3	ug/kg wet	50	---	---	---	---	---	---	
o-Xylene	ND	8.33	16.7	ug/kg wet	50	---	---	---	---	---	---	
Chlorobenzene	ND	8.33	16.7	ug/kg wet	50	---	---	---	---	---	---	
1,1-Dichloroethene	ND	16.7	16.7	ug/kg wet	50	---	---	---	---	---	---	
cis-1,2-Dichloroethene	ND	8.33	16.7	ug/kg wet	50	---	---	---	---	---	---	
Tetrachloroethene (PCE)	ND	8.33	16.7	ug/kg wet	50	---	---	---	---	---	---	
Trichloroethene (TCE)	ND	8.33	16.7	ug/kg wet	50	---	---	---	---	---	---	
Vinyl chloride	ND	16.7	16.7	ug/kg wet	50	---	---	---	---	---	---	
<i>Surr: 1,4-Difluorobenzene (Surr)</i>		<i>Recovery: 94 %</i>		<i>Limits: 80-120 %</i>		<i>Dilution: 1x</i>						
<i>Toluene-d8 (Surr)</i>		<i>100 %</i>		<i>80-120 %</i>		<i>"</i>						
<i>4-Bromofluorobenzene (Surr)</i>		<i>103 %</i>		<i>79-120 %</i>		<i>"</i>						
LCS (0110296-BS1)						Prepared: 11/09/20 09:00 Analyzed: 11/09/20 15:21						
<u>5035A/8260D</u>												
Benzene	975	5.00	10.0	ug/kg wet	50	1000	---	98	80-120%	---	---	
Toluene	970	25.0	50.0	ug/kg wet	50	1000	---	97	80-120%	---	---	
Ethylbenzene	1050	12.5	25.0	ug/kg wet	50	1000	---	105	80-120%	---	---	
m,p-Xylene	2200	25.0	50.0	ug/kg wet	50	2000	---	110	80-120%	---	---	
o-Xylene	1060	12.5	25.0	ug/kg wet	50	1000	---	106	80-120%	---	---	
Chlorobenzene	1030	12.5	25.0	ug/kg wet	50	1000	---	103	80-120%	---	---	
1,1-Dichloroethene	677	25.0	25.0	ug/kg wet	50	1000	---	68	80-120%	---	---	Q-55
cis-1,2-Dichloroethene	959	12.5	25.0	ug/kg wet	50	1000	---	96	80-120%	---	---	
Tetrachloroethene (PCE)	1010	12.5	25.0	ug/kg wet	50	1000	---	101	80-120%	---	---	
Trichloroethene (TCE)	1020	12.5	25.0	ug/kg wet	50	1000	---	102	80-120%	---	---	
Vinyl chloride	626	25.0	25.0	ug/kg wet	50	1000	---	63	80-120%	---	---	Q-55
<i>Surr: 1,4-Difluorobenzene (Surr)</i>		<i>Recovery: 95 %</i>		<i>Limits: 80-120 %</i>		<i>Dilution: 1x</i>						
<i>Toluene-d8 (Surr)</i>		<i>99 %</i>		<i>80-120 %</i>		<i>"</i>						
<i>4-Bromofluorobenzene (Surr)</i>		<i>98 %</i>		<i>79-120 %</i>		<i>"</i>						
Matrix Spike (0110296-MS1)						Prepared: 10/29/20 14:00 Analyzed: 11/10/20 02:40						

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Darwin Thomas, Business Development Director



ANALYTICAL REPORT

AMENDED REPORT

Apex Laboratories, LLC

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ORELAP ID: OR100062

Anchor QEA, LLC 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: US Moorings -- C2, C3, C4 Project Number: [none] Project Manager: Delaney Peterson	Report ID: A0K0167 - 08 16 21 1242
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QUALITY CONTROL (QC) SAMPLE RESULTS

Selected Volatile Organic Compounds by EPA 5035A/8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0110296 - EPA 5035A												
Soil												
Matrix Spike (0110296-MS1)												
Prepared: 10/29/20 14:00 Analyzed: 11/10/20 02:40												
QC Source Sample: Non-SDG (A0J1068-22RE2)												
5035A/8260D												
Benzene	1170	5.68	11.4	ug/kg wet	50	1250	ND	94	77-121%	---	---	
Toluene	1070	28.4	56.8	ug/kg wet	50	1250	ND	86	77-121%	---	---	
Ethylbenzene	1140	14.2	28.4	ug/kg wet	50	1250	ND	92	76-122%	---	---	
m,p-Xylene	2330	28.4	56.8	ug/kg wet	50	2490	ND	94	77-124%	---	---	
o-Xylene	1150	14.2	28.4	ug/kg wet	50	1250	ND	92	77-123%	---	---	
Chlorobenzene	1130	14.2	28.4	ug/kg wet	50	1250	ND	91	79-120%	---	---	
1,1-Dichloroethene	1040	28.4	28.4	ug/kg wet	50	1250	ND	83	70-131%	---	---	Q-54a
cis-1,2-Dichloroethene	1130	14.2	28.4	ug/kg wet	50	1250	ND	91	77-123%	---	---	
Tetrachloroethene (PCE)	1080	14.2	28.4	ug/kg wet	50	1250	ND	87	73-128%	---	---	
Trichloroethene (TCE)	1180	14.2	28.4	ug/kg wet	50	1250	ND	94	77-123%	---	---	
Vinyl chloride	782	28.4	28.4	ug/kg wet	50	1250	ND	63	56-135%	---	---	Q-54b
Surr: 1,4-Difluorobenzene (Surr) Recovery: 101 % Limits: 80-120 % Dilution: 1x												
Toluene-d8 (Surr) 98 % 80-120 % "												
4-Bromofluorobenzene (Surr) 99 % 79-120 % "												

Matrix Spike Dup (0110296-MSD1)												
Prepared: 10/29/20 14:00 Analyzed: 11/10/20 03:07												
QC Source Sample: Non-SDG (A0J1068-22RE2)												
Benzene	1170	5.68	11.4	ug/kg wet	50	1250	ND	94	77-121%	0.1	30%	
Toluene	1080	28.4	56.8	ug/kg wet	50	1250	ND	86	77-121%	0.5	30%	
Ethylbenzene	1140	14.2	28.4	ug/kg wet	50	1250	ND	92	76-122%	0.02	30%	
m,p-Xylene	2360	28.4	56.8	ug/kg wet	50	2490	ND	95	77-124%	1	30%	
o-Xylene	1160	14.2	28.4	ug/kg wet	50	1250	ND	93	77-123%	1	30%	
Chlorobenzene	1140	14.2	28.4	ug/kg wet	50	1250	ND	92	79-120%	1	30%	
1,1-Dichloroethene	1040	28.4	28.4	ug/kg wet	50	1250	ND	84	70-131%	0.04	30%	Q-54a
cis-1,2-Dichloroethene	1120	14.2	28.4	ug/kg wet	50	1250	ND	90	77-123%	1	30%	
Tetrachloroethene (PCE)	1090	14.2	28.4	ug/kg wet	50	1250	ND	87	73-128%	0.4	30%	
Trichloroethene (TCE)	1170	14.2	28.4	ug/kg wet	50	1250	ND	94	77-123%	0.6	30%	
Vinyl chloride	797	28.4	28.4	ug/kg wet	50	1250	ND	64	56-135%	2	30%	Q-54b
Surr: 1,4-Difluorobenzene (Surr) Recovery: 100 % Limits: 80-120 % Dilution: 1x												
Toluene-d8 (Surr) 99 % 80-120 % "												
4-Bromofluorobenzene (Surr) 97 % 79-120 % "												

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AMENDED REPORT

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ORELAP ID: OR100062

Anchor QEA, LLC 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: US Moorings -- C2, C3, C4 Project Number: [none] Project Manager: Delaney Peterson	Report ID: A0K0167 - 08 16 21 1242
--------------------------------------------------------------------------------	-----------------------------------------------------------------------------------------------------------------	-----------------------------------------------------

QUALITY CONTROL (QC) SAMPLE RESULTS

Selected Volatile Organic Compounds by EPA 5035A/8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0110315 - EPA 5035A												
Soil												
Blank (0110315-BLK1)												
Prepared: 11/10/20 09:00 Analyzed: 11/10/20 11:27												
<u>5035A/8260D</u>												
Benzene	ND	3.33	6.67	ug/kg wet	50	---	---	---	---	---	---	
Toluene	ND	16.7	33.3	ug/kg wet	50	---	---	---	---	---	---	
Ethylbenzene	ND	8.33	16.7	ug/kg wet	50	---	---	---	---	---	---	
m,p-Xylene	ND	16.7	33.3	ug/kg wet	50	---	---	---	---	---	---	
o-Xylene	ND	8.33	16.7	ug/kg wet	50	---	---	---	---	---	---	
Chlorobenzene	ND	8.33	16.7	ug/kg wet	50	---	---	---	---	---	---	
1,1-Dichloroethene	ND	8.33	16.7	ug/kg wet	50	---	---	---	---	---	---	
cis-1,2-Dichloroethene	ND	8.33	16.7	ug/kg wet	50	---	---	---	---	---	---	
Tetrachloroethene (PCE)	ND	8.33	16.7	ug/kg wet	50	---	---	---	---	---	---	
Trichloroethene (TCE)	ND	8.33	16.7	ug/kg wet	50	---	---	---	---	---	---	
Vinyl chloride	ND	8.33	16.7	ug/kg wet	50	---	---	---	---	---	---	
Surr: 1,4-Difluorobenzene (Surr) Recovery: 102 % Limits: 80-120 % Dilution: 1x												
Toluene-d8 (Surr) 100 % 80-120 % "												
4-Bromofluorobenzene (Surr) 94 % 79-120 % "												

LCS (0110315-BS1)												
Prepared: 11/10/20 09:00 Analyzed: 11/10/20 10:32												
<u>5035A/8260D</u>												
Benzene	1010	5.00	10.0	ug/kg wet	50	1000	---	101	80-120%	---	---	
Toluene	978	25.0	50.0	ug/kg wet	50	1000	---	98	80-120%	---	---	
Ethylbenzene	986	12.5	25.0	ug/kg wet	50	1000	---	99	80-120%	---	---	
m,p-Xylene	1970	25.0	50.0	ug/kg wet	50	2000	---	98	80-120%	---	---	
o-Xylene	854	12.5	25.0	ug/kg wet	50	1000	---	85	80-120%	---	---	
Chlorobenzene	996	12.5	25.0	ug/kg wet	50	1000	---	100	80-120%	---	---	
1,1-Dichloroethene	1110	12.5	25.0	ug/kg wet	50	1000	---	111	80-120%	---	---	
cis-1,2-Dichloroethene	1000	12.5	25.0	ug/kg wet	50	1000	---	100	80-120%	---	---	
Tetrachloroethene (PCE)	996	12.5	25.0	ug/kg wet	50	1000	---	100	80-120%	---	---	
Trichloroethene (TCE)	970	12.5	25.0	ug/kg wet	50	1000	---	97	80-120%	---	---	
Vinyl chloride	1270	12.5	25.0	ug/kg wet	50	1000	---	127	80-120%	---	---	Q-56
Surr: 1,4-Difluorobenzene (Surr) Recovery: 100 % Limits: 80-120 % Dilution: 1x												
Toluene-d8 (Surr) 99 % 80-120 % "												
4-Bromofluorobenzene (Surr) 92 % 79-120 % "												

Duplicate (0110315-DUP1)											
Prepared: 11/10/20 10:57 Analyzed: 11/10/20 17:21											

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Darwin Thomas, Business Development Director



ANALYTICAL REPORT

AMENDED REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062

Anchor QEA, LLC 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: US Moorings -- C2, C3, C4 Project Number: [none] Project Manager: Delaney Peterson	Report ID: A0K0167 - 08 16 21 1242
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QUALITY CONTROL (QC) SAMPLE RESULTS

Selected Volatile Organic Compounds by EPA 5035A/8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0110315 - EPA 5035A												
Soil												
Duplicate (0110315-DUP1)			Prepared: 11/10/20 10:57 Analyzed: 11/10/20 17:21									
QC Source Sample: Non-SDG (A0K0327-01)												
Benzene	ND	9.38	18.8	ug/kg dry	50	---	ND	---	---	---	30%	
Toluene	ND	46.9	93.8	ug/kg dry	50	---	ND	---	---	---	30%	
Ethylbenzene	ND	23.4	46.9	ug/kg dry	50	---	ND	---	---	---	30%	
m,p-Xylene	ND	46.9	93.8	ug/kg dry	50	---	ND	---	---	---	30%	
o-Xylene	ND	23.4	46.9	ug/kg dry	50	---	ND	---	---	---	30%	
Chlorobenzene	ND	23.4	46.9	ug/kg dry	50	---	ND	---	---	---	30%	
1,1-Dichloroethene	ND	23.4	46.9	ug/kg dry	50	---	ND	---	---	---	30%	
cis-1,2-Dichloroethene	ND	23.4	46.9	ug/kg dry	50	---	ND	---	---	---	30%	
Tetrachloroethene (PCE)	ND	23.4	46.9	ug/kg dry	50	---	ND	---	---	---	30%	
Trichloroethene (TCE)	ND	23.4	46.9	ug/kg dry	50	---	ND	---	---	---	30%	
Vinyl chloride	ND	23.4	46.9	ug/kg dry	50	---	ND	---	---	---	30%	
<i>Surr: 1,4-Difluorobenzene (Surr)</i>		<i>Recovery: 103 %</i>		<i>Limits: 80-120 %</i>		<i>Dilution: 1x</i>						
<i>Toluene-d8 (Surr)</i>		<i>97 %</i>		<i>80-120 %</i>		<i>"</i>						
<i>4-Bromofluorobenzene (Surr)</i>		<i>95 %</i>		<i>79-120 %</i>		<i>"</i>						

Matrix Spike (0110315-MS1)			Prepared: 10/30/20 11:45 Analyzed: 11/10/20 15:32									
QC Source Sample: Non-SDG (A0J1069-09RE1)												
5035A/8260D												
Benzene	1710	7.92	15.8	ug/kg dry	50	1580	ND	108	77-121%	---	---	
Toluene	1590	39.6	79.2	ug/kg dry	50	1580	ND	100	77-121%	---	---	
Ethylbenzene	1590	19.8	39.6	ug/kg dry	50	1580	ND	101	76-122%	---	---	
m,p-Xylene	3180	39.6	79.2	ug/kg dry	50	3160	ND	101	77-124%	---	---	
o-Xylene	1450	19.8	39.6	ug/kg dry	50	1580	ND	92	77-123%	---	---	
Chlorobenzene	1620	19.8	39.6	ug/kg dry	50	1580	ND	103	79-120%	---	---	
1,1-Dichloroethene	2100	19.8	39.6	ug/kg dry	50	1580	ND	133	70-131%	---	---	Q-01
cis-1,2-Dichloroethene	1690	19.8	39.6	ug/kg dry	50	1580	ND	107	77-123%	---	---	
Tetrachloroethene (PCE)	1640	19.8	39.6	ug/kg dry	50	1580	ND	104	73-128%	---	---	
Trichloroethene (TCE)	1720	19.8	39.6	ug/kg dry	50	1580	ND	109	77-123%	---	---	
Vinyl chloride	2080	19.8	39.6	ug/kg dry	50	1580	ND	131	56-135%	---	---	Q-54
<i>Surr: 1,4-Difluorobenzene (Surr)</i>		<i>Recovery: 103 %</i>		<i>Limits: 80-120 %</i>		<i>Dilution: 1x</i>						
<i>Toluene-d8 (Surr)</i>		<i>96 %</i>		<i>80-120 %</i>		<i>"</i>						
<i>4-Bromofluorobenzene (Surr)</i>		<i>96 %</i>		<i>79-120 %</i>		<i>"</i>						

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ANALYTICAL REPORT

AMENDED REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062

Anchor QEA, LLC 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: US Moorings -- C2, C3, C4 Project Number: [none] Project Manager: Delaney Peterson	Report ID: A0K0167 - 08 16 21 1242
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QUALITY CONTROL (QC) SAMPLE RESULTS

Selected Volatile Organic Compounds by EPA 5035A/8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0110315 - EPA 5035A						Soil						
Matrix Spike Dup (0110315-MSD1)						Prepared: 10/30/20 11:45 Analyzed: 11/10/20 15:59						
QC Source Sample: Non-SDG (A0J1069-09RE1)												
Benzene	1690	7.92	15.8	ug/kg dry	50	1580	ND	107	77-121%	1	30%	
Toluene	1560	39.6	79.2	ug/kg dry	50	1580	ND	99	77-121%	1	30%	
Ethylbenzene	1570	19.8	39.6	ug/kg dry	50	1580	ND	99	76-122%	1	30%	
m,p-Xylene	3130	39.6	79.2	ug/kg dry	50	3160	ND	99	77-124%	2	30%	
o-Xylene	1440	19.8	39.6	ug/kg dry	50	1580	ND	91	77-123%	0.7	30%	
Chlorobenzene	1600	19.8	39.6	ug/kg dry	50	1580	ND	101	79-120%	1	30%	
1,1-Dichloroethene	1460	19.8	39.6	ug/kg dry	50	1580	ND	92	70-131%	36	30%	Q-01
cis-1,2-Dichloroethene	1670	19.8	39.6	ug/kg dry	50	1580	ND	106	77-123%	1	30%	
Tetrachloroethene (PCE)	1600	19.8	39.6	ug/kg dry	50	1580	ND	101	73-128%	3	30%	
Trichloroethene (TCE)	1680	19.8	39.6	ug/kg dry	50	1580	ND	106	77-123%	3	30%	
Vinyl chloride	2010	19.8	39.6	ug/kg dry	50	1580	ND	127	56-135%	3	30%	Q-54
<i>Surr: 1,4-Difluorobenzene (Surr)</i>		<i>Recovery: 104 %</i>		<i>Limits: 80-120 %</i>		<i>Dilution: 1x</i>						
<i>Toluene-d8 (Surr)</i>		<i>97 %</i>		<i>80-120 %</i>		<i>"</i>						
<i>4-Bromofluorobenzene (Surr)</i>		<i>95 %</i>		<i>79-120 %</i>		<i>"</i>						

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Darwin Thomas, Business Development Director



ANALYTICAL REPORT

AMENDED REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062

Anchor QEA, LLC 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: US Moorings -- C2, C3, C4 Project Number: [none] Project Manager: Delaney Peterson	Report ID: A0K0167 - 08 16 21 1242
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QUALITY CONTROL (QC) SAMPLE RESULTS

Selected Volatile Organic Compounds by EPA 5035A/8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0110338 - EPA 5035A						Soil						
Blank (0110338-BLK1)			Prepared: 11/10/20 09:00 Analyzed: 11/10/20 15:24									
<u>5035A/8260D</u>												
Benzene	ND	3.33	6.67	ug/kg wet	50	---	---	---	---	---	---	
Toluene	ND	16.7	33.3	ug/kg wet	50	---	---	---	---	---	---	
Ethylbenzene	ND	8.33	16.7	ug/kg wet	50	---	---	---	---	---	---	
m,p-Xylene	ND	16.7	33.3	ug/kg wet	50	---	---	---	---	---	---	
o-Xylene	ND	8.33	16.7	ug/kg wet	50	---	---	---	---	---	---	
Chlorobenzene	ND	8.33	16.7	ug/kg wet	50	---	---	---	---	---	---	
1,1-Dichloroethene	ND	8.33	16.7	ug/kg wet	50	---	---	---	---	---	---	
cis-1,2-Dichloroethene	ND	8.33	16.7	ug/kg wet	50	---	---	---	---	---	---	
Tetrachloroethene (PCE)	ND	8.33	16.7	ug/kg wet	50	---	---	---	---	---	---	
Trichloroethene (TCE)	ND	8.33	16.7	ug/kg wet	50	---	---	---	---	---	---	
Vinyl chloride	ND	16.7	16.7	ug/kg wet	50	---	---	---	---	---	---	
<i>Surr: 1,4-Difluorobenzene (Surr)</i>		<i>Recovery: 98 %</i>		<i>Limits: 80-120 %</i>		<i>Dilution: 1x</i>						
<i>Toluene-d8 (Surr)</i>		<i>99 %</i>		<i>80-120 %</i>		<i>"</i>						
<i>4-Bromofluorobenzene (Surr)</i>		<i>99 %</i>		<i>79-120 %</i>		<i>"</i>						
LCS (0110338-BS1)						Prepared: 11/10/20 09:00 Analyzed: 11/10/20 14:30						
<u>5035A/8260D</u>												
Benzene	980	5.00	10.0	ug/kg wet	50	1000	---	98	80-120%	---	---	
Toluene	920	25.0	50.0	ug/kg wet	50	1000	---	92	80-120%	---	---	
Ethylbenzene	990	12.5	25.0	ug/kg wet	50	1000	---	99	80-120%	---	---	
m,p-Xylene	2060	25.0	50.0	ug/kg wet	50	2000	---	103	80-120%	---	---	
o-Xylene	985	12.5	25.0	ug/kg wet	50	1000	---	99	80-120%	---	---	
Chlorobenzene	995	12.5	25.0	ug/kg wet	50	1000	---	100	80-120%	---	---	
1,1-Dichloroethene	863	12.5	25.0	ug/kg wet	50	1000	---	86	80-120%	---	---	
cis-1,2-Dichloroethene	944	12.5	25.0	ug/kg wet	50	1000	---	94	80-120%	---	---	
Tetrachloroethene (PCE)	968	12.5	25.0	ug/kg wet	50	1000	---	97	80-120%	---	---	
Trichloroethene (TCE)	1010	12.5	25.0	ug/kg wet	50	1000	---	101	80-120%	---	---	
Vinyl chloride	617	25.0	25.0	ug/kg wet	50	1000	---	62	80-120%	---	---	Q-55
<i>Surr: 1,4-Difluorobenzene (Surr)</i>		<i>Recovery: 99 %</i>		<i>Limits: 80-120 %</i>		<i>Dilution: 1x</i>						
<i>Toluene-d8 (Surr)</i>		<i>98 %</i>		<i>80-120 %</i>		<i>"</i>						
<i>4-Bromofluorobenzene (Surr)</i>		<i>98 %</i>		<i>79-120 %</i>		<i>"</i>						
Matrix Spike (0110338-MS1)						Prepared: 11/03/20 12:45 Analyzed: 11/10/20 21:18						

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Darwin Thomas, Business Development Director



ANALYTICAL REPORT

AMENDED REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062

Anchor QEA, LLC 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: US Moorings -- C2, C3, C4 Project Number: [none] Project Manager: Delaney Peterson	Report ID: A0K0167 - 08 16 21 1242
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QUALITY CONTROL (QC) SAMPLE RESULTS

Selected Volatile Organic Compounds by EPA 5035A/8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0110338 - EPA 5035A												
Soil												
Matrix Spike (0110338-MS1) Prepared: 11/03/20 12:45 Analyzed: 11/10/20 21:18												
QC Source Sample: USMPDI-048SC-B-02-04-201103 (A0K0167-32)												
5035A/8260D												
Benzene	2780	15.4	30.7	ug/kg dry	50	3050	ND	91	77-121%	---	---	
Toluene	2900	76.8	154	ug/kg dry	50	3050	ND	95	77-121%	---	---	
Ethylbenzene	3140	38.4	76.8	ug/kg dry	50	3050	ND	103	76-122%	---	---	
m,p-Xylene	6650	76.8	154	ug/kg dry	50	6110	ND	109	77-124%	---	---	
o-Xylene	3340	38.4	76.8	ug/kg dry	50	3050	ND	109	77-123%	---	---	
Chlorobenzene	3100	38.4	76.8	ug/kg dry	50	3050	ND	102	79-120%	---	---	
1,1-Dichloroethene	2550	38.4	76.8	ug/kg dry	50	3050	ND	83	70-131%	---	---	
cis-1,2-Dichloroethene	2820	38.4	76.8	ug/kg dry	50	3050	ND	92	77-123%	---	---	
Tetrachloroethene (PCE)	2930	38.4	76.8	ug/kg dry	50	3050	ND	96	73-128%	---	---	
Trichloroethene (TCE)	2910	38.4	76.8	ug/kg dry	50	3050	ND	95	77-123%	---	---	
Vinyl chloride	1700	76.8	76.8	ug/kg dry	50	3050	ND	56	56-135%	---	---	Q-54c
<i>Surr: 1,4-Difluorobenzene (Surr) Recovery: 91% Limits: 80-120% Dilution: 1x</i>												
<i>Toluene-d8 (Surr) 97% 80-120% "</i>												
<i>4-Bromofluorobenzene (Surr) 93% 79-120% "</i>												

Matrix Spike Dup (0110338-MSD1) Prepared: 11/03/20 12:45 Analyzed: 11/10/20 21:46												
QC Source Sample: USMPDI-048SC-B-02-04-201103 (A0K0167-32)												
5035A/8260D												
Benzene	2750	15.4	30.7	ug/kg dry	50	3050	ND	90	77-121%	1	30%	
Toluene	2830	76.8	154	ug/kg dry	50	3050	ND	93	77-121%	3	30%	
Ethylbenzene	3070	38.4	76.8	ug/kg dry	50	3050	ND	100	76-122%	2	30%	
m,p-Xylene	6400	76.8	154	ug/kg dry	50	6110	ND	105	77-124%	4	30%	
o-Xylene	3250	38.4	76.8	ug/kg dry	50	3050	ND	106	77-123%	3	30%	
Chlorobenzene	3030	38.4	76.8	ug/kg dry	50	3050	ND	99	79-120%	2	30%	
1,1-Dichloroethene	2480	38.4	76.8	ug/kg dry	50	3050	ND	81	70-131%	3	30%	
cis-1,2-Dichloroethene	2710	38.4	76.8	ug/kg dry	50	3050	ND	89	77-123%	4	30%	
Tetrachloroethene (PCE)	2850	38.4	76.8	ug/kg dry	50	3050	ND	93	73-128%	3	30%	
Trichloroethene (TCE)	2910	38.4	76.8	ug/kg dry	50	3050	ND	95	77-123%	0.1	30%	
Vinyl chloride	1730	76.8	76.8	ug/kg dry	50	3050	ND	57	56-135%	2	30%	Q-54c
<i>Surr: 1,4-Difluorobenzene (Surr) Recovery: 92% Limits: 80-120% Dilution: 1x</i>												
<i>Toluene-d8 (Surr) 96% 80-120% "</i>												

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Darwin Thomas, Business Development Director



ANALYTICAL REPORT

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ORELAP ID: OR100062

Anchor QEA, LLC 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: US Moorings -- C2, C3, C4 Project Number: [none] Project Manager: Delaney Peterson	Report ID: A0K0167 - 08 16 21 1242
--------------------------------------------------------------------------------	-----------------------------------------------------------------------------------------------------------------	----------------------------------------------

QUALITY CONTROL (QC) SAMPLE RESULTS

Selected Volatile Organic Compounds by EPA 5035A/8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0110338 - EPA 5035A						Soil						
Matrix Spike Dup (0110338-MSD1)						Prepared: 11/03/20 12:45 Analyzed: 11/10/20 21:46						
QC Source Sample: USMPDI-048SC-B-02-04-201103 (A0K0167-32)												
Surr: 4-Bromofluorobenzene (Surr)		Recovery: 95 %		Limits: 79-120 %		Dilution: 1x						

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QUALITY CONTROL (QC) SAMPLE RESULTS

Selected Volatile Organic Compounds by EPA 5035A/8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0110409 - EPA 5035A						Soil						
Blank (0110409-BLK1)			Prepared: 11/11/20 09:00 Analyzed: 11/11/20 15:14									
<u>5035A/8260D</u>												
Benzene	ND	3.33	6.67	ug/kg wet	50	---	---	---	---	---	---	
Toluene	ND	16.7	33.3	ug/kg wet	50	---	---	---	---	---	---	
Ethylbenzene	ND	8.33	16.7	ug/kg wet	50	---	---	---	---	---	---	
m,p-Xylene	ND	16.7	33.3	ug/kg wet	50	---	---	---	---	---	---	
o-Xylene	ND	8.33	16.7	ug/kg wet	50	---	---	---	---	---	---	
Chlorobenzene	ND	8.33	16.7	ug/kg wet	50	---	---	---	---	---	---	
1,1-Dichloroethene	ND	16.7	16.7	ug/kg wet	50	---	---	---	---	---	---	
cis-1,2-Dichloroethene	ND	8.33	16.7	ug/kg wet	50	---	---	---	---	---	---	
Tetrachloroethene (PCE)	ND	8.33	16.7	ug/kg wet	50	---	---	---	---	---	---	
Trichloroethene (TCE)	ND	8.33	16.7	ug/kg wet	50	---	---	---	---	---	---	
Vinyl chloride	ND	16.7	16.7	ug/kg wet	50	---	---	---	---	---	---	
<i>Surr: 1,4-Difluorobenzene (Surr)</i>		<i>Recovery: 93 %</i>		<i>Limits: 80-120 %</i>		<i>Dilution: 1x</i>						
<i>Toluene-d8 (Surr)</i>		<i>99 %</i>		<i>80-120 %</i>		<i>"</i>						
<i>4-Bromofluorobenzene (Surr)</i>		<i>99 %</i>		<i>79-120 %</i>		<i>"</i>						
LCS (0110409-BS1)						Prepared: 11/11/20 09:00 Analyzed: 11/11/20 14:19						
<u>5035A/8260D</u>												
Benzene	964	5.00	10.0	ug/kg wet	50	1000	---	96	80-120%	---	---	
Toluene	974	25.0	50.0	ug/kg wet	50	1000	---	97	80-120%	---	---	
Ethylbenzene	1080	12.5	25.0	ug/kg wet	50	1000	---	108	80-120%	---	---	
m,p-Xylene	2240	25.0	50.0	ug/kg wet	50	2000	---	112	80-120%	---	---	
o-Xylene	1100	12.5	25.0	ug/kg wet	50	1000	---	110	80-120%	---	---	
Chlorobenzene	1050	12.5	25.0	ug/kg wet	50	1000	---	105	80-120%	---	---	
1,1-Dichloroethene	684	25.0	25.0	ug/kg wet	50	1000	---	68	80-120%	---	---	Q-55
cis-1,2-Dichloroethene	948	12.5	25.0	ug/kg wet	50	1000	---	95	80-120%	---	---	
Tetrachloroethene (PCE)	1020	12.5	25.0	ug/kg wet	50	1000	---	102	80-120%	---	---	
Trichloroethene (TCE)	1010	12.5	25.0	ug/kg wet	50	1000	---	101	80-120%	---	---	
Vinyl chloride	613	25.0	25.0	ug/kg wet	50	1000	---	61	80-120%	---	---	Q-55
<i>Surr: 1,4-Difluorobenzene (Surr)</i>		<i>Recovery: 93 %</i>		<i>Limits: 80-120 %</i>		<i>Dilution: 1x</i>						
<i>Toluene-d8 (Surr)</i>		<i>98 %</i>		<i>80-120 %</i>		<i>"</i>						
<i>4-Bromofluorobenzene (Surr)</i>		<i>98 %</i>		<i>79-120 %</i>		<i>"</i>						
Duplicate (0110409-DUP1)						Prepared: 11/04/20 15:20 Analyzed: 11/11/20 18:25						

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Darwin Thomas, Business Development Director



ANALYTICAL REPORT

AMENDED REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323

ORELAP ID: OR100062

Anchor QEA, LLC 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: US Moorings -- C2, C3, C4 Project Number: [none] Project Manager: Delaney Peterson	Report ID: A0K0167 - 08 16 21 1242
--------------------------------------------------------------------------------	-----------------------------------------------------------------------------------------------------------------	-----------------------------------------------------

QUALITY CONTROL (QC) SAMPLE RESULTS

Selected Volatile Organic Compounds by EPA 5035A/8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0110409 - EPA 5035A												
Soil												
Duplicate (0110409-DUP1)			Prepared: 11/04/20 15:20 Analyzed: 11/11/20 18:25									
QC Source Sample: Non-SDG (A0K0224-30)												
Benzene	ND	16.4	32.8	ug/kg dry	50	---	ND	---	---	---	30%	
Toluene	ND	82.0	164	ug/kg dry	50	---	ND	---	---	---	30%	
Ethylbenzene	ND	41.0	82.0	ug/kg dry	50	---	ND	---	---	---	30%	
m,p-Xylene	ND	82.0	164	ug/kg dry	50	---	ND	---	---	---	30%	
o-Xylene	ND	41.0	82.0	ug/kg dry	50	---	ND	---	---	---	30%	
Chlorobenzene	ND	41.0	82.0	ug/kg dry	50	---	ND	---	---	---	30%	
1,1-Dichloroethene	ND	82.0	82.0	ug/kg dry	50	---	ND	---	---	---	30%	
cis-1,2-Dichloroethene	ND	41.0	82.0	ug/kg dry	50	---	ND	---	---	---	30%	
Tetrachloroethene (PCE)	ND	41.0	82.0	ug/kg dry	50	---	ND	---	---	---	30%	
Trichloroethene (TCE)	ND	41.0	82.0	ug/kg dry	50	---	ND	---	---	---	30%	
Vinyl chloride	ND	82.0	82.0	ug/kg dry	50	---	ND	---	---	---	30%	
<i>Surr: 1,4-Difluorobenzene (Surr)</i>		<i>Recovery: 92%</i>		<i>Limits: 80-120%</i>		<i>Dilution: 1x</i>						
<i>Toluene-d8 (Surr)</i>		<i>97%</i>		<i>80-120%</i>		<i>"</i>						
<i>4-Bromofluorobenzene (Surr)</i>		<i>98%</i>		<i>79-120%</i>		<i>"</i>						

Matrix Spike (0110409-MS1)			Prepared: 10/28/20 09:35 Analyzed: 11/11/20 16:36									
QC Source Sample: Non-SDG (A0K0153-02)												
5035A/8260D												
Benzene	1300	7.68	15.4	ug/kg dry	50	1540	ND	85	77-121%	---	---	
Toluene	1370	38.4	76.8	ug/kg dry	50	1540	ND	89	77-121%	---	---	
Ethylbenzene	1540	19.2	38.4	ug/kg dry	50	1540	ND	100	76-122%	---	---	
m,p-Xylene	3240	38.4	76.8	ug/kg dry	50	3070	ND	105	77-124%	---	---	
o-Xylene	1580	19.2	38.4	ug/kg dry	50	1540	ND	103	77-123%	---	---	
Chlorobenzene	1520	19.2	38.4	ug/kg dry	50	1540	ND	99	79-120%	---	---	
1,1-Dichloroethene	971	38.4	38.4	ug/kg dry	50	1540	ND	63	70-131%	---	---	Q-54a
cis-1,2-Dichloroethene	1320	19.2	38.4	ug/kg dry	50	1540	ND	86	77-123%	---	---	
Tetrachloroethene (PCE)	1410	19.2	38.4	ug/kg dry	50	1540	ND	92	73-128%	---	---	
Trichloroethene (TCE)	1380	19.2	38.4	ug/kg dry	50	1540	ND	90	77-123%	---	---	
Vinyl chloride	777	38.4	38.4	ug/kg dry	50	1540	ND	51	56-135%	---	---	Q-54d
<i>Surr: 1,4-Difluorobenzene (Surr)</i>		<i>Recovery: 89%</i>		<i>Limits: 80-120%</i>		<i>Dilution: 1x</i>						
<i>Toluene-d8 (Surr)</i>		<i>96%</i>		<i>80-120%</i>		<i>"</i>						
<i>4-Bromofluorobenzene (Surr)</i>		<i>96%</i>		<i>79-120%</i>		<i>"</i>						

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Darwin Thomas, Business Development Director



ANALYTICAL REPORT

AMENDED REPORT

Apex Laboratories, LLC

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503-718-2323
ORELAP ID: OR100062

Anchor QEA, LLC 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: US Moorings -- C2, C3, C4 Project Number: [none] Project Manager: Delaney Peterson	Report ID: A0K0167 - 08 16 21 1242
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QUALITY CONTROL (QC) SAMPLE RESULTS

Polychlorinated Biphenyls by EPA 8082A

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes	
Batch 0110791 - EPA 3546						Sediment							
Blank (0110791-BLK1)			Prepared: 11/21/20 08:54 Analyzed: 11/23/20 09:21						C-07				
<u>EPA 8082A</u>													
Aroclor 1016	ND	1.82	3.64	ug/kg wet	1	---	---	---	---	---	---		
Aroclor 1221	ND	1.82	3.64	ug/kg wet	1	---	---	---	---	---	---		
Aroclor 1232	ND	1.82	3.64	ug/kg wet	1	---	---	---	---	---	---		
Aroclor 1242	ND	1.82	3.64	ug/kg wet	1	---	---	---	---	---	---		
Aroclor 1248	ND	1.82	3.64	ug/kg wet	1	---	---	---	---	---	---		
Aroclor 1254	ND	1.82	3.64	ug/kg wet	1	---	---	---	---	---	---		
Aroclor 1260	ND	1.82	3.64	ug/kg wet	1	---	---	---	---	---	---		
Aroclor 1262	ND	1.82	3.64	ug/kg wet	1	---	---	---	---	---	---		
Aroclor 1268	ND	1.82	3.64	ug/kg wet	1	---	---	---	---	---	---		
<i>Surr: Decachlorobiphenyl (Surr)</i>		<i>Recovery: 88 %</i>		<i>Limits: 60-125 %</i>		<i>Dilution: 1x</i>							
LCS (0110791-BS1)						Prepared: 11/21/20 08:54 Analyzed: 11/23/20 09:39							
<u>EPA 8082A</u>													
Aroclor 1016	151	2.00	4.00	ug/kg wet	1	250	---	61	47-134%	---	---		
Aroclor 1260	189	2.00	4.00	ug/kg wet	1	250	---	76	53-140%	---	---		
<i>Surr: Decachlorobiphenyl (Surr)</i>		<i>Recovery: 89 %</i>		<i>Limits: 60-125 %</i>		<i>Dilution: 1x</i>							
Duplicate (0110791-DUP1)						Prepared: 11/21/20 08:54 Analyzed: 11/23/20 10:32							
<u>QC Source Sample: Non-SDG (A0J1069-24)</u>													
Aroclor 1016	ND	2.41	4.83	ug/kg dry	1	---	ND	---	---	---	30%		
Aroclor 1221	ND	2.41	4.83	ug/kg dry	1	---	ND	---	---	---	30%		
Aroclor 1232	ND	2.41	4.83	ug/kg dry	1	---	ND	---	---	---	30%		
Aroclor 1242	ND	2.41	4.83	ug/kg dry	1	---	ND	---	---	---	30%		
Aroclor 1248	ND	2.41	4.83	ug/kg dry	1	---	ND	---	---	---	30%		
Aroclor 1254	ND	2.41	4.83	ug/kg dry	1	---	ND	---	---	---	30%		
Aroclor 1260	ND	2.41	4.83	ug/kg dry	1	---	ND	---	---	---	30%		
Aroclor 1262	ND	2.41	4.83	ug/kg dry	1	---	ND	---	---	---	30%		
Aroclor 1268	ND	2.41	4.83	ug/kg dry	1	---	ND	---	---	---	30%		
<i>Surr: Decachlorobiphenyl (Surr)</i>		<i>Recovery: 86 %</i>		<i>Limits: 60-125 %</i>		<i>Dilution: 1x</i>							
Matrix Spike (0110791-MS1)						Prepared: 11/21/20 08:54 Analyzed: 11/23/20 16:30							
<u>QC Source Sample: USMPDI-1040SC-A-08-09-201103 (A0K0167-18)</u>													

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Apex Laboratories, LLC

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 503-718-2323
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Anchor QEA, LLC 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: US Moorings -- C2, C3, C4 Project Number: [none] Project Manager: Delaney Peterson	Report ID: A0K0167 - 08 16 21 1242
--------------------------------------------------------------------------------	-----------------------------------------------------------------------------------------------------------------	-----------------------------------------------------

QUALITY CONTROL (QC) SAMPLE RESULTS

Polychlorinated Biphenyls by EPA 8082A

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0110791 - EPA 3546						Sediment						
Matrix Spike (0110791-MS1)						Prepared: 11/21/20 08:54 Analyzed: 11/23/20 16:30						C-07
QC Source Sample: USMPDI-1040SC-A-08-09-201103 (A0K0167-18)												
EPA 8082A												
Aroclor 1016	227	2.40	4.81	ug/kg dry	1	301	ND	76	47-134%	---	---	
Aroclor 1260	284	2.40	4.81	ug/kg dry	1	301	ND	94	53-140%	---	---	
<i>Surr: Decachlorobiphenyl (Surr)</i>		<i>Recovery: 109 %</i>		<i>Limits: 60-125 %</i>		<i>Dilution: 1x</i>						

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Darwin Thomas, Business Development Director



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QUALITY CONTROL (QC) SAMPLE RESULTS

Polychlorinated Biphenyls by EPA 8082A

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes	
Batch 0110792 - EPA 3546						Sediment							
Blank (0110792-BLK1)			Prepared: 11/21/20 08:55 Analyzed: 11/24/20 08:42						C-07				
<u>EPA 8082A</u>													
Aroclor 1016	ND	1.82	3.64	ug/kg wet	1	---	---	---	---	---	---		
Aroclor 1221	ND	1.82	3.64	ug/kg wet	1	---	---	---	---	---	---		
Aroclor 1232	ND	1.82	3.64	ug/kg wet	1	---	---	---	---	---	---		
Aroclor 1242	ND	1.82	3.64	ug/kg wet	1	---	---	---	---	---	---		
Aroclor 1248	ND	1.82	3.64	ug/kg wet	1	---	---	---	---	---	---		
Aroclor 1254	ND	1.82	3.64	ug/kg wet	1	---	---	---	---	---	---		
Aroclor 1260	ND	1.82	3.64	ug/kg wet	1	---	---	---	---	---	---		
Aroclor 1262	ND	1.82	3.64	ug/kg wet	1	---	---	---	---	---	---		
Aroclor 1268	ND	1.82	3.64	ug/kg wet	1	---	---	---	---	---	---		
<i>Surr: Decachlorobiphenyl (Surr)</i>		<i>Recovery: 89 %</i>		<i>Limits: 60-125 %</i>		<i>Dilution: 1x</i>							
LCS (0110792-BS1)						Prepared: 11/21/20 08:55 Analyzed: 11/24/20 09:00 C-07							
<u>EPA 8082A</u>													
Aroclor 1016	172	2.00	4.00	ug/kg wet	1	250	---	69	47-134%	---	---		
Aroclor 1260	205	2.00	4.00	ug/kg wet	1	250	---	82	53-140%	---	---		
<i>Surr: Decachlorobiphenyl (Surr)</i>		<i>Recovery: 92 %</i>		<i>Limits: 60-125 %</i>		<i>Dilution: 1x</i>							
Duplicate (0110792-DUP1)						Prepared: 11/21/20 08:55 Analyzed: 11/24/20 09:53 C-07							
<u>QC Source Sample: USMPDI-040SC-B-00-02-201103 (A0K0167-19)</u>													
<u>EPA 8082A</u>													
Aroclor 1016	ND	4.05	8.11	ug/kg dry	1	---	ND	---	---	---	30%		
Aroclor 1221	ND	4.05	8.11	ug/kg dry	1	---	ND	---	---	---	30%		
Aroclor 1232	ND	4.05	8.11	ug/kg dry	1	---	ND	---	---	---	30%		
Aroclor 1242	12.5	4.05	8.11	ug/kg dry	1	---	12.7	---	---	2	30%	P-12	
Aroclor 1248	ND	4.05	8.11	ug/kg dry	1	---	ND	---	---	---	30%		
Aroclor 1254	27.0	4.05	8.11	ug/kg dry	1	---	26.8	---	---	0.7	30%	P-12	
Aroclor 1260	25.3	4.05	8.11	ug/kg dry	1	---	23.8	---	---	6	30%	P-12	
Aroclor 1262	ND	4.05	8.11	ug/kg dry	1	---	ND	---	---	---	30%		
Aroclor 1268	ND	4.05	8.11	ug/kg dry	1	---	ND	---	---	---	30%		
<i>Surr: Decachlorobiphenyl (Surr)</i>		<i>Recovery: 81 %</i>		<i>Limits: 60-125 %</i>		<i>Dilution: 1x</i>							
Matrix Spike (0110792-MS1)						Prepared: 11/21/20 08:55 Analyzed: 11/24/20 15:51 C-07							

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503-718-2323
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Anchor QEA, LLC 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: US Moorings -- C2, C3, C4 Project Number: [none] Project Manager: Delaney Peterson	Report ID: A0K0167 - 08 16 21 1242
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QUALITY CONTROL (QC) SAMPLE RESULTS

Polychlorinated Biphenyls by EPA 8082A

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0110792 - EPA 3546						Sediment						
Matrix Spike (0110792-MS1)						Prepared: 11/21/20 08:55 Analyzed: 11/24/20 15:51						C-07
QC Source Sample: USMPDI-048SC-A-15-16-201103 (A0K0167-30)												
EPA 8082A												
Aroclor 1016	226	2.62	5.24	ug/kg dry	1	328	ND	69	47-134%	---	---	
Aroclor 1260	256	2.62	5.24	ug/kg dry	1	328	ND	78	53-140%	---	---	
<i>Surr: Decachlorobiphenyl (Surr)</i>		<i>Recovery: 87 %</i>		<i>Limits: 60-125 %</i>		<i>Dilution: 1x</i>						
Matrix Spike (0110792-MS2)						Prepared: 11/21/20 08:55 Analyzed: 11/24/20 09:53						C-07
QC Source Sample: USMPDI-048SC-B-02-04-201103 (A0K0167-32)												
EPA 8082A												
Aroclor 1016	351	3.56	7.12	ug/kg dry	1	445	ND	79	47-134%	---	---	
Aroclor 1260	444	3.56	7.12	ug/kg dry	1	445	42.9	90	53-140%	---	---	
<i>Surr: Decachlorobiphenyl (Surr)</i>		<i>Recovery: 101 %</i>		<i>Limits: 60-125 %</i>		<i>Dilution: 1x</i>						
Matrix Spike Dup (0110792-MSD1)						Prepared: 11/21/20 08:55 Analyzed: 11/24/20 16:26						C-07
QC Source Sample: USMPDI-048SC-A-15-16-201103 (A0K0167-30)												
EPA 8082A												
Aroclor 1016	232	2.63	5.27	ug/kg dry	1	329	ND	70	47-134%	3	30%	
Aroclor 1260	266	2.63	5.27	ug/kg dry	1	329	ND	81	53-140%	4	30%	
<i>Surr: Decachlorobiphenyl (Surr)</i>		<i>Recovery: 92 %</i>		<i>Limits: 60-125 %</i>		<i>Dilution: 1x</i>						
Matrix Spike Dup (0110792-MSD2)						Prepared: 11/21/20 08:55 Analyzed: 11/24/20 10:29						C-07
QC Source Sample: USMPDI-048SC-B-02-04-201103 (A0K0167-32)												
EPA 8082A												
Aroclor 1016	361	3.53	7.07	ug/kg dry	1	442	ND	82	47-134%	3	30%	
Aroclor 1260	458	3.53	7.07	ug/kg dry	1	442	42.9	94	53-140%	3	30%	
<i>Surr: Decachlorobiphenyl (Surr)</i>		<i>Recovery: 105 %</i>		<i>Limits: 60-125 %</i>		<i>Dilution: 1x</i>						

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--------------------------------------------------------------------------------	-----------------------------------------------------------------------------------------------------------------	----------------------------------------------

QUALITY CONTROL (QC) SAMPLE RESULTS

Polychlorinated Biphenyls by EPA 8082A

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0110979 - EPA 3546												
Sediment												
Blank (0110979-BLK1) Prepared: 11/30/20 07:02 Analyzed: 12/03/20 08:45 C-07												
<u>EPA 8082A</u>												
Aroclor 1016	ND	1.82	3.64	ug/kg wet	1	---	---	---	---	---	---	
Aroclor 1221	ND	1.82	3.64	ug/kg wet	1	---	---	---	---	---	---	
Aroclor 1232	ND	1.82	3.64	ug/kg wet	1	---	---	---	---	---	---	
Aroclor 1242	ND	1.82	3.64	ug/kg wet	1	---	---	---	---	---	---	
Aroclor 1248	ND	1.82	3.64	ug/kg wet	1	---	---	---	---	---	---	
Aroclor 1254	ND	1.82	3.64	ug/kg wet	1	---	---	---	---	---	---	
Aroclor 1260	ND	1.82	3.64	ug/kg wet	1	---	---	---	---	---	---	
Aroclor 1262	ND	1.82	3.64	ug/kg wet	1	---	---	---	---	---	---	
Aroclor 1268	ND	1.82	3.64	ug/kg wet	1	---	---	---	---	---	---	
<i>Surr: Decachlorobiphenyl (Surr) Recovery: 88 % Limits: 60-125 % Dilution: 1x</i>												
LCS (0110979-BS1) Prepared: 11/30/20 07:02 Analyzed: 12/03/20 09:03 C-07												
<u>EPA 8082A</u>												
Aroclor 1016	165	2.00	4.00	ug/kg wet	1	250	---	66	47-134%	---	---	
Aroclor 1260	199	2.00	4.00	ug/kg wet	1	250	---	80	53-140%	---	---	
<i>Surr: Decachlorobiphenyl (Surr) Recovery: 85 % Limits: 60-125 % Dilution: 1x</i>												
Duplicate (0110979-DUP1) Prepared: 11/30/20 07:02 Analyzed: 12/03/20 09:57 C-07												
<u>QC Source Sample: USMPDI-040SC-B-10-12-201103 (A0K0167-24RE1)</u>												
<u>EPA 8082A</u>												
Aroclor 1016	ND	2.47	4.94	ug/kg dry	1	---	ND	---	---	---	30%	
Aroclor 1221	ND	2.47	4.94	ug/kg dry	1	---	ND	---	---	---	30%	
Aroclor 1232	ND	2.47	4.94	ug/kg dry	1	---	ND	---	---	---	30%	
Aroclor 1242	ND	2.47	4.94	ug/kg dry	1	---	ND	---	---	---	30%	
Aroclor 1248	ND	2.47	4.94	ug/kg dry	1	---	ND	---	---	---	30%	
Aroclor 1254	ND	2.47	4.94	ug/kg dry	1	---	ND	---	---	---	30%	
Aroclor 1260	ND	2.47	4.94	ug/kg dry	1	---	ND	---	---	---	30%	
Aroclor 1262	ND	2.47	4.94	ug/kg dry	1	---	ND	---	---	---	30%	
Aroclor 1268	ND	2.47	4.94	ug/kg dry	1	---	ND	---	---	---	30%	
<i>Surr: Decachlorobiphenyl (Surr) Recovery: 84 % Limits: 60-125 % Dilution: 1x</i>												
Matrix Spike (0110979-MS1) Prepared: 11/30/20 07:02 Analyzed: 12/03/20 11:44 C-07												

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Darwin Thomas, Business Development Director



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503-718-2323
ORELAP ID: OR100062

Anchor QEA, LLC 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: US Moorings -- C2, C3, C4 Project Number: [none] Project Manager: Delaney Peterson	Report ID: A0K0167 - 08 16 21 1242
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QUALITY CONTROL (QC) SAMPLE RESULTS

Polychlorinated Biphenyls by EPA 8082A

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0110979 - EPA 3546						Sediment						
Matrix Spike (0110979-MS1)						Prepared: 11/30/20 07:02 Analyzed: 12/03/20 11:44						C-07
QC Source Sample: USMPDI-048SC-A-15-16-201103 (A0K0167-30RE1)												
EPA 8082A												
Aroclor 1016	224	2.76	5.52	ug/kg dry	1	345	ND	65	47-134%	---	---	
Aroclor 1260	265	2.76	5.52	ug/kg dry	1	345	ND	77	53-140%	---	---	
<i>Surr: Decachlorobiphenyl (Surr)</i>		<i>Recovery: 86 %</i>		<i>Limits: 60-125 %</i>		<i>Dilution: 1x</i>						
Matrix Spike Dup (0110979-MSD1)						Prepared: 11/30/20 07:02 Analyzed: 12/03/20 12:19						C-07
QC Source Sample: USMPDI-048SC-A-15-16-201103 (A0K0167-30RE1)												
EPA 8082A												
Aroclor 1016	231	2.75	5.51	ug/kg dry	1	344	ND	67	47-134%	3	30%	
Aroclor 1260	274	2.75	5.51	ug/kg dry	1	344	ND	80	53-140%	3	30%	
<i>Surr: Decachlorobiphenyl (Surr)</i>		<i>Recovery: 88 %</i>		<i>Limits: 60-125 %</i>		<i>Dilution: 1x</i>						

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AMENDED REPORT

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503-718-2323
ORELAP ID: OR100062

Anchor QEA, LLC 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: US Moorings -- C2, C3, C4 Project Number: [none] Project Manager: Delaney Peterson	Report ID: A0K0167 - 08 16 21 1242
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QUALITY CONTROL (QC) SAMPLE RESULTS

Organochlorine Pesticides by EPA 8081B

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes	
Batch 0110504 - EPA 3546						Sediment							
Blank (0110504-BLK1)			Prepared: 11/13/20 10:59 Analyzed: 11/16/20 14:52						C-05				
<u>EPA 8081B</u>													
2,4'-DDD	ND	0.909	1.82	ug/kg wet	1	---	---	---	---	---	---		
2,4'-DDE	ND	0.909	1.82	ug/kg wet	1	---	---	---	---	---	---		
2,4'-DDT	ND	0.909	1.82	ug/kg wet	1	---	---	---	---	---	---		
4,4'-DDD	ND	0.909	1.82	ug/kg wet	1	---	---	---	---	---	---		
4,4'-DDE	ND	0.909	1.82	ug/kg wet	1	---	---	---	---	---	---		
4,4'-DDT	ND	0.909	1.82	ug/kg wet	1	---	---	---	---	---	---		
<i>Surr: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 60 %</i>		<i>Limits: 42-129 %</i>		<i>Dilution: 1x</i>							
<i>Decachlorobiphenyl (Surr)</i>		<i>107 %</i>		<i>55-130 %</i>		<i>"</i>							
LCS (0110504-BS1)						Prepared: 11/13/20 10:59 Analyzed: 11/16/20 15:09						C-05	
<u>EPA 8081B</u>													
2,4'-DDD	52.0	1.00	2.00	ug/kg wet	1	50.0	---	104	58-128%	---	---		
2,4'-DDE	46.8	1.00	2.00	ug/kg wet	1	50.0	---	94	49-125%	---	---		
2,4'-DDT	56.2	1.00	2.00	ug/kg wet	1	50.0	---	112	66-145%	---	---		
4,4'-DDD	44.3	1.00	2.00	ug/kg wet	1	50.0	---	89	56-139%	---	---		
4,4'-DDE	45.6	1.00	2.00	ug/kg wet	1	50.0	---	91	56-134%	---	---		
4,4'-DDT	53.1	1.00	2.00	ug/kg wet	1	50.0	---	106	50-141%	---	---		
<i>Surr: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 66 %</i>		<i>Limits: 42-129 %</i>		<i>Dilution: 1x</i>							
<i>Decachlorobiphenyl (Surr)</i>		<i>105 %</i>		<i>55-130 %</i>		<i>"</i>							
Duplicate (0110504-DUP1)						Prepared: 11/13/20 10:59 Analyzed: 11/19/20 19:56						C-05	
<u>QC Source Sample: USMPDI-040SC-B-02-04-201103 (A0K0167-20RE1)</u>													
<u>EPA 8081B</u>													
2,4'-DDD	52.1	3.62	7.23	ug/kg dry	2	---	49.9	---	---	4	30%		
2,4'-DDE	ND	47.4	47.4	ug/kg dry	2	---	ND	---	---	---	30%	R-02	
2,4'-DDT	ND	13.4	13.4	ug/kg dry	2	---	ND	---	---	---	30%	R-02	
4,4'-DDD	232	3.62	7.23	ug/kg dry	2	---	215	---	---	8	30%		
4,4'-DDE	49.5	3.62	7.23	ug/kg dry	2	---	51.7	---	---	4	30%	P-11	
4,4'-DDT	286	3.62	7.23	ug/kg dry	2	---	64.3	---	---	127	30%	Q-17	
<i>Surr: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 89 %</i>		<i>Limits: 42-129 %</i>		<i>Dilution: 2x</i>							
<i>Decachlorobiphenyl (Surr)</i>		<i>120 %</i>		<i>55-130 %</i>		<i>"</i>							

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ANALYTICAL REPORT

AMENDED REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street
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503-718-2323
ORELAP ID: OR100062

Anchor QEA, LLC 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: US Moorings -- C2, C3, C4 Project Number: [none] Project Manager: Delaney Peterson	Report ID: A0K0167 - 08 16 21 1242
--------------------------------------------------------------------------------	-----------------------------------------------------------------------------------------------------------------	-----------------------------------------------------

QUALITY CONTROL (QC) SAMPLE RESULTS

Organochlorine Pesticides by EPA 8081B

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0110504 - EPA 3546						Sediment						
Matrix Spike (0110504-MS1)						Prepared: 11/13/20 10:59 Analyzed: 11/16/20 19:56						C-05
QC Source Sample: USMPDI-048SC-B-02-04-201103 (A0K0167-32RE1)												
EPA 8081B												
2,4'-DDD	119	1.81	3.63	ug/kg dry	1	90.6	ND	116	58-128%	---	---	
2,4'-DDE	124	1.81	3.63	ug/kg dry	1	90.6	20.4	115	49-125%	---	---	
2,4'-DDT	91.9	1.81	3.63	ug/kg dry	1	90.6	ND	92	66-145%	---	---	
4,4'-DDD	150	1.81	3.63	ug/kg dry	1	90.6	49.2	112	56-139%	---	---	
4,4'-DDE	113	1.81	3.63	ug/kg dry	1	90.6	18.6	105	56-134%	---	---	
4,4'-DDT	81.5	9.06	9.43	ug/kg dry	1	90.6	ND	80	50-141%	---	---	
<i>Surr: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 81 %</i>		<i>Limits: 42-129 %</i>		<i>Dilution: 1x</i>						
<i>Decachlorobiphenyl (Surr)</i>		<i>107 %</i>		<i>55-130 %</i>		<i>"</i>						

Matrix Spike Dup (0110504-MSD1)						Prepared: 11/13/20 10:59 Analyzed: 11/16/20 20:35						C-05
QC Source Sample: USMPDI-048SC-B-02-04-201103 (A0K0167-32RE1)												
EPA 8081B												
2,4'-DDD	106	1.80	3.60	ug/kg dry	1	89.9	ND	103	58-128%	11	30%	
2,4'-DDE	110	1.80	3.60	ug/kg dry	1	89.9	20.4	100	49-125%	12	30%	
2,4'-DDT	99.4	1.80	3.60	ug/kg dry	1	89.9	ND	101	66-145%	8	30%	
4,4'-DDD	130	1.80	3.60	ug/kg dry	1	89.9	49.2	90	56-139%	15	30%	
4,4'-DDE	105	1.80	3.60	ug/kg dry	1	89.9	18.6	96	56-134%	8	30%	
4,4'-DDT	122	9.35	9.35	ug/kg dry	1	89.9	ND	136	50-141%	40	30%	Q-17
<i>Surr: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 78 %</i>		<i>Limits: 42-129 %</i>		<i>Dilution: 1x</i>						
<i>Decachlorobiphenyl (Surr)</i>		<i>100 %</i>		<i>55-130 %</i>		<i>"</i>						

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ORELAP ID: OR100062

Anchor QEA, LLC 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: US Moorings -- C2, C3, C4 Project Number: [none] Project Manager: Delaney Peterson	Report ID: A0K0167 - 08 16 21 1242
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QUALITY CONTROL (QC) SAMPLE RESULTS

Organochlorine Pesticides by EPA 8081B

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes	
Batch 0110505 - EPA 3546						Sediment							
Blank (0110505-BLK1)			Prepared: 11/12/20 15:34 Analyzed: 11/16/20 18:02						C-05				
<u>EPA 8081B</u>													
2,4'-DDD	ND	0.909	1.82	ug/kg wet	1	---	---	---	---	---	---		
2,4'-DDE	ND	0.909	1.82	ug/kg wet	1	---	---	---	---	---	---		
2,4'-DDT	ND	0.909	1.82	ug/kg wet	1	---	---	---	---	---	---		
4,4'-DDD	ND	0.909	1.82	ug/kg wet	1	---	---	---	---	---	---		
4,4'-DDE	ND	0.909	1.82	ug/kg wet	1	---	---	---	---	---	---		
4,4'-DDT	ND	0.909	1.82	ug/kg wet	1	---	---	---	---	---	---		
<i>Surr: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 51 %</i>		<i>Limits: 42-129 %</i>		<i>Dilution: 1x</i>							
<i>Decachlorobiphenyl (Surr)</i>		<i>82 %</i>		<i>55-130 %</i>		"							
<hr/>													
LCS (0110505-BS1)			Prepared: 11/12/20 15:34 Analyzed: 11/16/20 18:19						C-05				
<u>EPA 8081B</u>													
2,4'-DDD	45.5	1.00	2.00	ug/kg wet	1	50.0	---	91	58-128%	---	---		
2,4'-DDE	43.0	1.00	2.00	ug/kg wet	1	50.0	---	86	49-125%	---	---		
2,4'-DDT	44.6	1.00	2.00	ug/kg wet	1	50.0	---	89	66-145%	---	---		
4,4'-DDD	40.5	1.00	2.00	ug/kg wet	1	50.0	---	81	56-139%	---	---		
4,4'-DDE	44.0	1.00	2.00	ug/kg wet	1	50.0	---	88	56-134%	---	---		
4,4'-DDT	44.1	1.00	2.00	ug/kg wet	1	50.0	---	88	50-141%	---	---		
<i>Surr: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 67 %</i>		<i>Limits: 42-129 %</i>		<i>Dilution: 1x</i>							
<i>Decachlorobiphenyl (Surr)</i>		<i>89 %</i>		<i>55-130 %</i>		"							
<hr/>													
Duplicate (0110505-DUP1)			Prepared: 11/12/20 15:34 Analyzed: 11/16/20 18:52						C-05				
<u>QC Source Sample: Non-SDG (A0J1069-27RE1)</u>													
2,4'-DDD	ND	1.20	2.39	ug/kg dry	1	---	ND	---	---	---	30%		
2,4'-DDE	ND	1.20	2.39	ug/kg dry	1	---	ND	---	---	---	30%		
2,4'-DDT	ND	1.20	2.39	ug/kg dry	1	---	ND	---	---	---	30%		
4,4'-DDD	ND	1.20	2.39	ug/kg dry	1	---	ND	---	---	---	30%		
4,4'-DDE	ND	1.20	2.39	ug/kg dry	1	---	ND	---	---	---	30%		
4,4'-DDT	ND	1.20	2.39	ug/kg dry	1	---	ND	---	---	---	30%		
<i>Surr: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 47 %</i>		<i>Limits: 42-129 %</i>		<i>Dilution: 1x</i>							
<i>Decachlorobiphenyl (Surr)</i>		<i>75 %</i>		<i>55-130 %</i>		"							
<hr/>													
Matrix Spike (0110505-MS1)			Prepared: 11/12/20 15:34 Analyzed: 11/16/20 19:58						C-05				

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ANALYTICAL REPORT

AMENDED REPORT

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503-718-2323
ORELAP ID: OR100062

Anchor QEA, LLC 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: US Moorings -- C2, C3, C4 Project Number: [none] Project Manager: Delaney Peterson	Report ID: A0K0167 - 08 16 21 1242
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QUALITY CONTROL (QC) SAMPLE RESULTS

Organochlorine Pesticides by EPA 8081B

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0110505 - EPA 3546						Sediment						
Matrix Spike (0110505-MS1)						Prepared: 11/12/20 15:34 Analyzed: 11/16/20 19:58						C-05
<u>QC Source Sample: USMPDI-048SC-A-15-16-201103 (A0K0167-30RE1)</u>												
<u>EPA 8081B</u>												
2,4'-DDD	60.7	1.35	2.71	ug/kg dry	1	67.7	ND	90	58-128%	---	---	
2,4'-DDE	56.3	1.35	2.71	ug/kg dry	1	67.7	ND	83	49-125%	---	---	
2,4'-DDT	61.2	1.35	2.71	ug/kg dry	1	67.7	ND	90	66-145%	---	---	
4,4'-DDD	56.8	1.35	2.71	ug/kg dry	1	67.7	ND	84	56-139%	---	---	
4,4'-DDE	60.3	1.35	2.71	ug/kg dry	1	67.7	ND	89	56-134%	---	---	
4,4'-DDT	61.9	1.35	2.71	ug/kg dry	1	67.7	ND	91	50-141%	---	---	
<i>Surr: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 63 %</i>		<i>Limits: 42-129 %</i>		<i>Dilution: 1x</i>						
<i>Decachlorobiphenyl (Surr)</i>		<i>89 %</i>		<i>55-130 %</i>		<i>"</i>						

Matrix Spike Dup (0110505-MSD1)						Prepared: 11/12/20 15:35 Analyzed: 11/16/20 20:15						C-05
<u>QC Source Sample: USMPDI-048SC-A-15-16-201103 (A0K0167-30RE1)</u>												
<u>EPA 8081B</u>												
2,4'-DDD	70.3	1.35	2.71	ug/kg dry	1	67.7	ND	104	58-128%	15	30%	
2,4'-DDE	75.1	1.35	2.71	ug/kg dry	1	67.7	ND	111	49-125%	29	30%	
2,4'-DDT	69.3	1.35	2.71	ug/kg dry	1	67.7	ND	102	66-145%	13	30%	
4,4'-DDD	65.7	1.35	2.71	ug/kg dry	1	67.7	ND	97	56-139%	14	30%	
4,4'-DDE	74.4	1.35	2.71	ug/kg dry	1	67.7	ND	110	56-134%	21	30%	
4,4'-DDT	66.3	1.35	2.71	ug/kg dry	1	67.7	ND	98	50-141%	7	30%	
<i>Surr: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 88 %</i>		<i>Limits: 42-129 %</i>		<i>Dilution: 1x</i>						
<i>Decachlorobiphenyl (Surr)</i>		<i>99 %</i>		<i>55-130 %</i>		<i>"</i>						

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ORELAP ID: OR100062

Anchor QEA, LLC 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: US Moorings -- C2, C3, C4 Project Number: [none] Project Manager: Delaney Peterson	Report ID: A0K0167 - 08 16 21 1242
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QUALITY CONTROL (QC) SAMPLE RESULTS

Semivolatile Organic Compounds by EPA 8270E

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0110447 - EPA 3546												
Sediment												
Blank (0110447-BLK1)												
Prepared: 11/12/20 11:39 Analyzed: 11/13/20 11:16												
<u>EPA 8270E</u>												
Acenaphthene	ND	1.14	2.27	ug/kg wet	1	---	---	---	---	---	---	
Acenaphthylene	ND	1.14	2.27	ug/kg wet	1	---	---	---	---	---	---	
Anthracene	ND	1.14	2.27	ug/kg wet	1	---	---	---	---	---	---	
Benz(a)anthracene	ND	1.14	2.27	ug/kg wet	1	---	---	---	---	---	---	
Benzo(a)pyrene	ND	1.14	2.27	ug/kg wet	1	---	---	---	---	---	---	
Benzo(b)fluoranthene	ND	1.14	2.27	ug/kg wet	1	---	---	---	---	---	---	
Benzo(k)fluoranthene	ND	1.14	2.27	ug/kg wet	1	---	---	---	---	---	---	
Benzo(g,h,i)perylene	ND	1.14	2.27	ug/kg wet	1	---	---	---	---	---	---	
Chrysene	ND	1.14	2.27	ug/kg wet	1	---	---	---	---	---	---	
Dibenz(a,h)anthracene	ND	1.14	2.27	ug/kg wet	1	---	---	---	---	---	---	
Fluoranthene	ND	1.14	2.27	ug/kg wet	1	---	---	---	---	---	---	
Fluorene	ND	1.14	2.27	ug/kg wet	1	---	---	---	---	---	---	
Indeno(1,2,3-cd)pyrene	ND	1.14	2.27	ug/kg wet	1	---	---	---	---	---	---	
2-Methylnaphthalene	ND	1.14	2.27	ug/kg wet	1	---	---	---	---	---	---	
Naphthalene	ND	1.14	2.27	ug/kg wet	1	---	---	---	---	---	---	
Phenanthrene	ND	1.14	2.27	ug/kg wet	1	---	---	---	---	---	---	
Pyrene	ND	1.14	2.27	ug/kg wet	1	---	---	---	---	---	---	
Pentachlorophenol (PCP)	ND	11.4	22.7	ug/kg wet	1	---	---	---	---	---	---	
<i>Surr: 2-Fluorobiphenyl (Surr)</i>		<i>Recovery: 68 %</i>		<i>Limits: 44-120 %</i>		<i>Dilution: 1x</i>						
<i>p-Terphenyl-d14 (Surr)</i>		<i>112 %</i>		<i>54-127 %</i>		<i>"</i>						
<i>2,4,6-Tribromophenol (Surr)</i>		<i>68 %</i>		<i>39-132 %</i>		<i>"</i>						

LCS (0110447-BS1)												
Prepared: 11/12/20 11:39 Analyzed: 11/13/20 11:49												
<u>EPA 8270E</u>												
Acenaphthene	19.6	1.25	2.50	ug/kg wet	1	20.0	---	98	40-123%	---	---	
Acenaphthylene	20.4	1.25	2.50	ug/kg wet	1	20.0	---	102	32-132%	---	---	
Anthracene	21.6	1.25	2.50	ug/kg wet	1	20.0	---	108	47-123%	---	---	
Benz(a)anthracene	20.5	1.25	2.50	ug/kg wet	1	20.0	---	103	49-126%	---	---	
Benzo(a)pyrene	22.8	1.25	2.50	ug/kg wet	1	20.0	---	114	45-129%	---	---	
Benzo(b)fluoranthene	20.4	1.25	2.50	ug/kg wet	1	20.0	---	102	45-132%	---	---	
Benzo(k)fluoranthene	21.5	1.25	2.50	ug/kg wet	1	20.0	---	107	47-132%	---	---	
Benzo(g,h,i)perylene	18.6	1.25	2.50	ug/kg wet	1	20.0	---	93	43-134%	---	---	
Chrysene	20.4	1.25	2.50	ug/kg wet	1	20.0	---	102	50-124%	---	---	

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QUALITY CONTROL (QC) SAMPLE RESULTS

Semivolatile Organic Compounds by EPA 8270E

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0110447 - EPA 3546												
Sediment												
LCS (0110447-BS1)												
Prepared: 11/12/20 11:39 Analyzed: 11/13/20 11:49												
Dibenz(a,h)anthracene	17.8	1.25	2.50	ug/kg wet	1	20.0	---	89	45-134%	---	---	
Fluoranthene	22.4	1.25	2.50	ug/kg wet	1	20.0	---	112	50-127%	---	---	
Fluorene	21.8	1.25	2.50	ug/kg wet	1	20.0	---	109	43-125%	---	---	
Indeno(1,2,3-cd)pyrene	17.7	1.25	2.50	ug/kg wet	1	20.0	---	89	45-133%	---	---	
2-Methylnaphthalene	19.2	1.25	2.50	ug/kg wet	1	20.0	---	96	38-122%	---	---	
Naphthalene	19.0	1.25	2.50	ug/kg wet	1	20.0	---	95	35-123%	---	---	
Phenanthrene	20.0	1.25	2.50	ug/kg wet	1	20.0	---	100	50-121%	---	---	
Pyrene	18.8	1.25	2.50	ug/kg wet	1	20.0	---	94	47-127%	---	---	
Pentachlorophenol (PCP)	37.1	12.5	25.0	ug/kg wet	1	50.0	---	74	25-133%	---	---	
Surr: 2-Fluorobiphenyl (Surr) Recovery: 92 % Limits: 44-120 % Dilution: 1x												
p-Terphenyl-d14 (Surr) 100 % 54-127 % "												
2,4,6-Tribromophenol (Surr) 95 % 39-132 % "												

Duplicate (0110447-DUP2)												
Prepared: 11/12/20 11:39 Analyzed: 11/16/20 19:53												
QC Source Sample: USMPDL-040SC-B-08-10-201103 (A0K0167-23RE1)												
EPA 8270E												
Acenaphthene	659	41.5	82.9	ug/kg dry	25	---	355	---	---	60	30%	Q-04
Acenaphthylene	198	41.5	82.9	ug/kg dry	25	---	157	---	---	23	30%	
Anthracene	777	41.5	82.9	ug/kg dry	25	---	621	---	---	22	30%	
Benz(a)anthracene	1790	41.5	82.9	ug/kg dry	25	---	1660	---	---	8	30%	
Benzo(a)pyrene	3550	41.5	82.9	ug/kg dry	25	---	3380	---	---	5	30%	
Benzo(b)fluoranthene	2500	41.5	82.9	ug/kg dry	25	---	2340	---	---	7	30%	
Benzo(k)fluoranthene	798	41.5	82.9	ug/kg dry	25	---	783	---	---	2	30%	M-05
Benzo(g,h,i)perylene	2850	41.5	82.9	ug/kg dry	25	---	2730	---	---	4	30%	
Chrysene	2130	41.5	82.9	ug/kg dry	25	---	1990	---	---	7	30%	
Dibenz(a,h)anthracene	180	41.5	82.9	ug/kg dry	25	---	171	---	---	5	30%	
Fluoranthene	6650	41.5	82.9	ug/kg dry	25	---	5740	---	---	15	30%	
Fluorene	568	41.5	82.9	ug/kg dry	25	---	323	---	---	55	30%	Q-04
Indeno(1,2,3-cd)pyrene	2080	41.5	82.9	ug/kg dry	25	---	1960	---	---	6	30%	
2-Methylnaphthalene	177	41.5	82.9	ug/kg dry	25	---	112	---	---	45	30%	Q-04
Naphthalene	1480	41.5	82.9	ug/kg dry	25	---	763	---	---	64	30%	Q-04
Phenanthrene	5580	41.5	82.9	ug/kg dry	25	---	3570	---	---	44	30%	Q-04
Pyrene	7460	41.5	82.9	ug/kg dry	25	---	5890	---	---	24	30%	
Pentachlorophenol (PCP)	ND	41.5	82.9	ug/kg dry	25	---	ND	---	---	---	30%	

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ANALYTICAL REPORT

AMENDED REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323

ORELAP ID: OR100062

Anchor QEA, LLC 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: US Moorings -- C2, C3, C4 Project Number: [none] Project Manager: Delaney Peterson	Report ID: A0K0167 - 08 16 21 1242
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QUALITY CONTROL (QC) SAMPLE RESULTS

Semivolatile Organic Compounds by EPA 8270E

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0110447 - EPA 3546												
Sediment												
Duplicate (0110447-DUP2)												
Prepared: 11/12/20 11:39 Analyzed: 11/16/20 19:53												
QC Source Sample: USMPDI-040SC-B-08-10-201103 (A0K0167-23RE1)												
<i>Surr: 2-Fluorobiphenyl (Surr)</i>												
			Recovery: 80 %	Limits: 44-120 %		Dilution: 25x						
			85 %	54-127 %		"						
			134 %	39-132 %		"						S-03

Matrix Spike (0110447-MS1)												
Prepared: 11/12/20 11:39 Analyzed: 11/13/20 14:36												
QC Source Sample: Non-SDG (A0J1068-17RE1)												
EPA 8270E												
Acenaphthene	45.0	6.13	12.3	ug/kg wet	5	19.6	46.2	-6	40-123%	---	---	Q-03
Acenaphthylene	21.9	6.13	12.3	ug/kg wet	5	19.6	20.6	7	32-132%	---	---	Q-03
Anthracene	25.7	6.13	12.3	ug/kg wet	5	19.6	25.4	1	47-123%	---	---	Q-03
Benz(a)anthracene	30.8	6.13	12.3	ug/kg wet	5	19.6	74.3	-222	49-126%	---	---	Q-03
Benzo(a)pyrene	42.8	6.13	12.3	ug/kg wet	5	19.6	118	-384	45-129%	---	---	Q-03
Benzo(b)fluoranthene	35.3	6.13	12.3	ug/kg wet	5	19.6	90.0	-279	45-132%	---	---	Q-03
Benzo(k)fluoranthene	23.9	6.13	12.3	ug/kg wet	5	19.6	33.8	-50	47-132%	---	---	Q-03
Benzo(g,h,i)perylene	34.6	6.13	12.3	ug/kg wet	5	19.6	81.7	-240	43-134%	---	---	Q-03
Chrysene	34.6	6.13	12.3	ug/kg wet	5	19.6	86.3	-263	50-124%	---	---	Q-03
Dibenz(a,h)anthracene	17.0	6.13	12.3	ug/kg wet	5	19.6	7.53	48	45-134%	---	---	
Fluoranthene	60.1	6.13	12.3	ug/kg wet	5	19.6	182	-622	50-127%	---	---	Q-03
Fluorene	30.7	6.13	12.3	ug/kg wet	5	19.6	24.6	31	43-125%	---	---	Q-03
Indeno(1,2,3-cd)pyrene	30.2	6.13	12.3	ug/kg wet	5	19.6	68.1	-193	45-133%	---	---	Q-03
2-Methylnaphthalene	18.6	6.13	12.3	ug/kg wet	5	19.6	ND	95	38-122%	---	---	
Naphthalene	20.4	6.13	12.3	ug/kg wet	5	19.6	6.40	71	35-123%	---	---	
Phenanthrene	56.6	6.13	12.3	ug/kg wet	5	19.6	128	-361	50-121%	---	---	Q-03
Pyrene	63.8	6.13	12.3	ug/kg wet	5	19.6	192	-651	47-127%	---	---	Q-03
Pentachlorophenol (PCP)	ND	61.3	123	ug/kg wet	5	49.1	ND		25-133%	---	---	Q-11
<i>Surr: 2-Fluorobiphenyl (Surr)</i>												
			Recovery: 86 %	Limits: 44-120 %		Dilution: 5x						
			89 %	54-127 %		"						
			86 %	39-132 %		"						

Matrix Spike Dup (0110447-MSD1)												
Prepared: 11/12/20 11:40 Analyzed: 11/13/20 15:09												
QC Source Sample: Non-SDG (A0J1068-17RE1)												
Acenaphthene	50.5	6.12	12.2	ug/kg wet	5	19.6	46.2	22	40-123%	12	30%	Q-03

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Darwin Thomas, Business Development Director



ANALYTICAL REPORT

AMENDED REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062

Anchor QEA, LLC 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: US Moorings -- C2, C3, C4 Project Number: [none] Project Manager: Delaney Peterson	Report ID: A0K0167 - 08 16 21 1242
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QUALITY CONTROL (QC) SAMPLE RESULTS

Semivolatile Organic Compounds by EPA 8270E

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0110447 - EPA 3546						Sediment						
Matrix Spike Dup (0110447-MSD1)						Prepared: 11/12/20 11:40 Analyzed: 11/13/20 15:09						
QC Source Sample: Non-SDG (A0J1068-17RE1)												
Acenaphthylene	27.3	6.12	12.2	ug/kg wet	5	19.6	20.6	34	32-132%	22	30%	
Anthracene	32.1	6.12	12.2	ug/kg wet	5	19.6	25.4	34	47-123%	22	30%	Q-03
Benz(a)anthracene	49.5	6.12	12.2	ug/kg wet	5	19.6	74.3	-127	49-126%	47	30%	Q-03
Benzo(a)pyrene	72.6	6.12	12.2	ug/kg wet	5	19.6	118	-232	45-129%	52	30%	Q-03
Benzo(b)fluoranthene	59.0	6.12	12.2	ug/kg wet	5	19.6	90.0	-158	45-132%	50	30%	Q-03
Benzo(k)fluoranthene	33.0	6.12	12.2	ug/kg wet	5	19.6	33.8	-4	47-132%	32	30%	Q-03
Benzo(g,h,i)perylene	59.2	6.12	12.2	ug/kg wet	5	19.6	81.7	-115	43-134%	53	30%	Q-03
Chrysene	49.9	6.12	12.2	ug/kg wet	5	19.6	86.3	-186	50-124%	36	30%	Q-03
Dibenz(a,h)anthracene	19.3	6.12	12.2	ug/kg wet	5	19.6	7.53	60	45-134%	13	30%	
Fluoranthene	102	6.12	12.2	ug/kg wet	5	19.6	182	-409	50-127%	52	30%	Q-03
Fluorene	32.9	6.12	12.2	ug/kg wet	5	19.6	24.6	43	43-125%	7	30%	
Indeno(1,2,3-cd)pyrene	54.7	6.12	12.2	ug/kg wet	5	19.6	68.1	-68	45-133%	58	30%	Q-03
2-Methylnaphthalene	18.5	6.12	12.2	ug/kg wet	5	19.6	ND	95	38-122%	0.3	30%	
Naphthalene	20.6	6.12	12.2	ug/kg wet	5	19.6	6.40	73	35-123%	1	30%	
Phenanthrene	87.0	6.12	12.2	ug/kg wet	5	19.6	128	-207	50-121%	42	30%	Q-03
Pyrene	117	6.12	12.2	ug/kg wet	5	19.6	192	-382	47-127%	59	30%	Q-03
Pentachlorophenol (PCP)	ND	61.2	122	ug/kg wet	5	48.9	ND		25-133%		30%	Q-11
<i>Surr: 2-Fluorobiphenyl (Surr)</i>		<i>Recovery: 87 %</i>		<i>Limits: 44-120 %</i>		<i>Dilution: 5x</i>						
<i>p-Terphenyl-d14 (Surr)</i>		<i>93 %</i>		<i>54-127 %</i>		<i>"</i>						
<i>2,4,6-Tribromophenol (Surr)</i>		<i>69 %</i>		<i>39-132 %</i>		<i>"</i>						

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ANALYTICAL REPORT

AMENDED REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street
 Tigard, OR 97223
 503-718-2323
 ORELAP ID: OR100062

Anchor QEA, LLC 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: US Moorings -- C2, C3, C4 Project Number: [none] Project Manager: Delaney Peterson	Report ID: A0K0167 - 08 16 21 1242
--------------------------------------------------------------------------------	-----------------------------------------------------------------------------------------------------------------	-----------------------------------------------------

QUALITY CONTROL (QC) SAMPLE RESULTS

Semivolatile Organic Compounds by EPA 8270E

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0110484 - EPA 3546						Sediment						
Blank (0110484-BLK1)			Prepared: 11/13/20 10:52 Analyzed: 11/13/20 16:49									
<u>EPA 8270E</u>												
Acenaphthene	ND	1.14	2.27	ug/kg wet	1	---	---	---	---	---	---	
Acenaphthylene	ND	1.14	2.27	ug/kg wet	1	---	---	---	---	---	---	
Anthracene	ND	1.14	2.27	ug/kg wet	1	---	---	---	---	---	---	
Benz(a)anthracene	ND	1.14	2.27	ug/kg wet	1	---	---	---	---	---	---	
Benzo(a)pyrene	ND	1.14	2.27	ug/kg wet	1	---	---	---	---	---	---	
Benzo(b)fluoranthene	ND	1.14	2.27	ug/kg wet	1	---	---	---	---	---	---	
Benzo(k)fluoranthene	ND	1.14	2.27	ug/kg wet	1	---	---	---	---	---	---	
Benzo(g,h,i)perylene	ND	1.14	2.27	ug/kg wet	1	---	---	---	---	---	---	
Chrysene	ND	1.14	2.27	ug/kg wet	1	---	---	---	---	---	---	
Dibenz(a,h)anthracene	ND	1.14	2.27	ug/kg wet	1	---	---	---	---	---	---	
Fluoranthene	ND	1.14	2.27	ug/kg wet	1	---	---	---	---	---	---	
Fluorene	ND	1.14	2.27	ug/kg wet	1	---	---	---	---	---	---	
Indeno(1,2,3-cd)pyrene	ND	1.14	2.27	ug/kg wet	1	---	---	---	---	---	---	
2-Methylnaphthalene	ND	1.14	2.27	ug/kg wet	1	---	---	---	---	---	---	
Naphthalene	ND	1.14	2.27	ug/kg wet	1	---	---	---	---	---	---	
Phenanthrene	ND	1.14	2.27	ug/kg wet	1	---	---	---	---	---	---	
Pyrene	ND	1.14	2.27	ug/kg wet	1	---	---	---	---	---	---	
Pentachlorophenol (PCP)	ND	11.4	22.7	ug/kg wet	1	---	---	---	---	---	---	
<i>Surr: 2-Fluorobiphenyl (Surr)</i>		<i>Recovery: 108 %</i>		<i>Limits: 44-120 %</i>		<i>Dilution: 1x</i>						
<i>p-Terphenyl-d14 (Surr)</i>		<i>132 %</i>		<i>54-127 %</i>		"						
<i>2,4,6-Tribromophenol (Surr)</i>		<i>92 %</i>		<i>39-132 %</i>		"						

S-06

LCS (0110484-BS1)						Prepared: 11/13/20 10:52 Analyzed: 11/13/20 17:23						
<u>EPA 8270E</u>												
Acenaphthene	19.6	1.25	2.50	ug/kg wet	1	20.0	---	98	40-123%	---	---	
Acenaphthylene	20.2	1.25	2.50	ug/kg wet	1	20.0	---	101	32-132%	---	---	
Anthracene	20.2	1.25	2.50	ug/kg wet	1	20.0	---	101	47-123%	---	---	
Benz(a)anthracene	19.6	1.25	2.50	ug/kg wet	1	20.0	---	98	49-126%	---	---	
Benzo(a)pyrene	21.9	1.25	2.50	ug/kg wet	1	20.0	---	110	45-129%	---	---	
Benzo(b)fluoranthene	19.8	1.25	2.50	ug/kg wet	1	20.0	---	99	45-132%	---	---	
Benzo(k)fluoranthene	20.3	1.25	2.50	ug/kg wet	1	20.0	---	102	47-132%	---	---	
Benzo(g,h,i)perylene	17.8	1.25	2.50	ug/kg wet	1	20.0	---	89	43-134%	---	---	
Chrysene	19.4	1.25	2.50	ug/kg wet	1	20.0	---	97	50-124%	---	---	

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ANALYTICAL REPORT

AMENDED REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062

Anchor QEA, LLC 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: US Moorings -- C2, C3, C4 Project Number: [none] Project Manager: Delaney Peterson	Report ID: A0K0167 - 08 16 21 1242
--------------------------------------------------------------------------------	-----------------------------------------------------------------------------------------------------------------	-----------------------------------------------------

QUALITY CONTROL (QC) SAMPLE RESULTS

Semivolatile Organic Compounds by EPA 8270E

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0110484 - EPA 3546												
Sediment												
LCS (0110484-BS1)												
Prepared: 11/13/20 10:52 Analyzed: 11/13/20 17:23												
Dibenz(a,h)anthracene	16.8	1.25	2.50	ug/kg wet	1	20.0	---	84	45-134%	---	---	
Fluoranthene	21.1	1.25	2.50	ug/kg wet	1	20.0	---	106	50-127%	---	---	
Fluorene	19.7	1.25	2.50	ug/kg wet	1	20.0	---	98	43-125%	---	---	
Indeno(1,2,3-cd)pyrene	16.7	1.25	2.50	ug/kg wet	1	20.0	---	83	45-133%	---	---	
2-Methylnaphthalene	18.8	1.25	2.50	ug/kg wet	1	20.0	---	94	38-122%	---	---	
Naphthalene	19.0	1.25	2.50	ug/kg wet	1	20.0	---	95	35-123%	---	---	
Phenanthrene	19.2	1.25	2.50	ug/kg wet	1	20.0	---	96	50-121%	---	---	
Pyrene	16.5	1.25	2.50	ug/kg wet	1	20.0	---	83	47-127%	---	---	
Pentachlorophenol (PCP)	43.7	12.5	25.0	ug/kg wet	1	50.0	---	87	25-133%	---	---	
<i>Surr: 2-Fluorobiphenyl (Surr) Recovery: 100 % Limits: 44-120 % Dilution: 1x</i>												
<i>p-Terphenyl-d14 (Surr) 104 % 54-127 % "</i>												
<i>2,4,6-Tribromophenol (Surr) 105 % 39-132 % "</i>												

Duplicate (0110484-DUP2) Prepared: 11/13/20 10:52 Analyzed: 11/16/20 20:58

QC Source Sample: USMPDI-038SC-B-14-15.3-201103 (A0K0167-13RE1)

EPA 8270E												
Acenaphthene	4320	204	409	ug/kg dry	100	---	4050	---	---	6	30%	
Acenaphthylene	ND	833	833	ug/kg dry	100	---	ND	---	---	---	30%	R-02
Anthracene	5200	204	409	ug/kg dry	100	---	4790	---	---	8	30%	
Benz(a)anthracene	3590	204	409	ug/kg dry	100	---	3550	---	---	1	30%	
Benzo(a)pyrene	4610	204	409	ug/kg dry	100	---	4780	---	---	4	30%	
Benzo(b)fluoranthene	3620	204	409	ug/kg dry	100	---	3730	---	---	3	30%	
Benzo(k)fluoranthene	1310	204	409	ug/kg dry	100	---	1380	---	---	5	30%	
Benzo(g,h,i)perylene	2970	204	409	ug/kg dry	100	---	3120	---	---	5	30%	
Chrysene	4500	204	409	ug/kg dry	100	---	4460	---	---	1	30%	
Dibenz(a,h)anthracene	316	204	409	ug/kg dry	100	---	323	---	---	2	30%	J
Fluoranthene	14000	204	409	ug/kg dry	100	---	13600	---	---	3	30%	
Fluorene	4250	204	409	ug/kg dry	100	---	4130	---	---	3	30%	
Indeno(1,2,3-cd)pyrene	2350	204	409	ug/kg dry	100	---	2510	---	---	6	30%	
2-Methylnaphthalene	3770	204	409	ug/kg dry	100	---	3510	---	---	7	30%	
Naphthalene	3000	204	409	ug/kg dry	100	---	2800	---	---	7	30%	
Phenanthrene	22200	204	409	ug/kg dry	100	---	21500	---	---	3	30%	
Pyrene	13700	204	409	ug/kg dry	100	---	12900	---	---	6	30%	
Pentachlorophenol (PCP)	ND	2040	4090	ug/kg dry	100	---	ND	---	---	---	30%	

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Darwin Thomas, Business Development Director



ANALYTICAL REPORT

AMENDED REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062

Anchor QEA, LLC 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: US Moorings -- C2, C3, C4 Project Number: [none] Project Manager: Delaney Peterson	Report ID: A0K0167 - 08 16 21 1242
--------------------------------------------------------------------------------	-----------------------------------------------------------------------------------------------------------------	-----------------------------------------------------

QUALITY CONTROL (QC) SAMPLE RESULTS

Semivolatile Organic Compounds by EPA 8270E

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0110484 - EPA 3546												
Sediment												
Duplicate (0110484-DUP2)												
Prepared: 11/13/20 10:52 Analyzed: 11/16/20 20:58												
QC Source Sample: USMPDI-038SC-B-14-15.3-201103 (A0K0167-13RE1)												
<i>Surr: 2-Fluorobiphenyl (Surr)</i>			Recovery: 96 %	Limits: 44-120 %		Dilution: 100x						S-05
<i>p-Terphenyl-d14 (Surr)</i>			111 %	54-127 %		"						S-05
<i>2,4,6-Tribromophenol (Surr)</i>			288 %	39-132 %		"						S-05

Matrix Spike (0110484-MS2)												
Prepared: 11/13/20 10:52 Analyzed: 11/20/20 21:54												
QC Source Sample: USMPDI-048SC-B-02-04-201103 (A0K0167-32RE1)												
EPA 8270E												
Acenaphthene	2210	88.3	177	ug/kg dry	40	35.3	2230	-72	40-123%	---	---	Q-11
Acenaphthylene	553	88.3	177	ug/kg dry	40	35.3	ND	106	32-132%	---	---	Q-11
Anthracene	2470	88.3	177	ug/kg dry	40	35.3	2530	-180	47-123%	---	---	Q-11
Benz(a)anthracene	1920	88.3	177	ug/kg dry	40	35.3	2070	-403	49-126%	---	---	Q-11
Benzo(a)pyrene	2010	88.3	177	ug/kg dry	40	35.3	2000	42	45-129%	---	---	Q-11
Benzo(b)fluoranthene	1580	88.3	177	ug/kg dry	40	35.3	1570	30	45-132%	---	---	Q-11
Benzo(k)fluoranthene	627	88.3	177	ug/kg dry	40	35.3	583	125	47-132%	---	---	Q-11
Benzo(g,h,i)perylene	1280	88.3	177	ug/kg dry	40	35.3	1250	78	43-134%	---	---	Q-11
Chrysene	2320	88.3	177	ug/kg dry	40	35.3	2420	-296	50-124%	---	---	Q-11
Dibenz(a,h)anthracene	176	88.3	177	ug/kg dry	40	35.3	154	63	45-134%	---	---	Q-11, J
Fluoranthene	5670	88.3	177	ug/kg dry	40	35.3	6250	-1640	50-127%	---	---	Q-11
Fluorene	2220	88.3	177	ug/kg dry	40	35.3	2270	-123	43-125%	---	---	Q-11
Indeno(1,2,3-cd)pyrene	1000	88.3	177	ug/kg dry	40	35.3	972	87	45-133%	---	---	Q-11
2-Methylnaphthalene	1720	88.3	177	ug/kg dry	40	35.3	1510	599	38-122%	---	---	Q-11
Naphthalene	2360	88.3	177	ug/kg dry	40	35.3	2320	118	35-123%	---	---	Q-11
Phenanthrene	12000	88.3	177	ug/kg dry	40	35.3	12200	-584	50-121%	---	---	Q-11
Pyrene	6000	88.3	177	ug/kg dry	40	35.3	7280	-3600	47-127%	---	---	Q-11
Pentachlorophenol (PCP)	ND	883	1770	ug/kg dry	40	88.3	ND		25-133%	---	---	Q-11
<i>Surr: 2-Fluorobiphenyl (Surr)</i>			Recovery: 89 %	Limits: 44-120 %		Dilution: 40x						S-05
<i>p-Terphenyl-d14 (Surr)</i>			95 %	54-127 %		"						S-05
<i>2,4,6-Tribromophenol (Surr)</i>			184 %	39-132 %		"						S-05

Matrix Spike (0110484-MS3)												
Prepared: 11/13/20 10:52 Analyzed: 11/13/20 21:49												
QC Source Sample: USMPDI-048SC-A-15-16-201103 (A0K0167-30)												
EPA 8270E												

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Darwin Thomas, Business Development Director



ANALYTICAL REPORT

AMENDED REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062

Anchor QEA, LLC 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: US Moorings -- C2, C3, C4 Project Number: [none] Project Manager: Delaney Peterson	Report ID: A0K0167 - 08 16 21 1242
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QUALITY CONTROL (QC) SAMPLE RESULTS

Semivolatile Organic Compounds by EPA 8270E

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0110484 - EPA 3546						Sediment						
Matrix Spike (0110484-MS3)						Prepared: 11/13/20 10:52 Analyzed: 11/13/20 21:49						
QC Source Sample: USMPDI-048SC-A-15-16-201103 (A0K0167-30)												
Acenaphthene	76.9	6.70	13.4	ug/kg dry	4	26.8	54.6	83	40-123%	---	---	
Acenaphthylene	29.4	6.70	13.4	ug/kg dry	4	26.8	ND	110	32-132%	---	---	
Anthracene	33.6	6.70	13.4	ug/kg dry	4	26.8	ND	125	47-123%	---	---	Q-01
Benz(a)anthracene	35.5	6.70	13.4	ug/kg dry	4	26.8	11.0	91	49-126%	---	---	
Benzo(a)pyrene	40.0	6.70	13.4	ug/kg dry	4	26.8	14.3	96	45-129%	---	---	
Benzo(b)fluoranthene	35.0	6.70	13.4	ug/kg dry	4	26.8	11.5	88	45-132%	---	---	
Benzo(k)fluoranthene	27.7	6.70	13.4	ug/kg dry	4	26.8	ND	104	47-132%	---	---	
Benzo(g,h,i)perylene	35.9	6.70	13.4	ug/kg dry	4	26.8	12.1	89	43-134%	---	---	
Chrysene	38.2	6.70	13.4	ug/kg dry	4	26.8	13.5	92	50-124%	---	---	
Dibenz(a,h)anthracene	22.8	6.70	13.4	ug/kg dry	4	26.8	ND	85	45-134%	---	---	
Fluoranthene	111	6.70	13.4	ug/kg dry	4	26.8	97.8	48	50-127%	---	---	Q-03
Fluorene	32.8	6.70	13.4	ug/kg dry	4	26.8	ND	122	43-125%	---	---	
Indeno(1,2,3-cd)pyrene	31.2	6.70	13.4	ug/kg dry	4	26.8	9.40	81	45-133%	---	---	
2-Methylnaphthalene	25.8	6.70	13.4	ug/kg dry	4	26.8	ND	96	38-122%	---	---	
Naphthalene	29.3	6.70	13.4	ug/kg dry	4	26.8	ND	110	35-123%	---	---	
Phenanthrene	236	6.70	13.4	ug/kg dry	4	26.8	229	27	50-121%	---	---	Q-03
Pyrene	149	6.70	13.4	ug/kg dry	4	26.8	112	140	47-127%	---	---	Q-03
Pentachlorophenol (PCP)	ND	67.0	134	ug/kg dry	4	67.0	ND		25-133%	---	---	Q-11
<i>Surr: 2-Fluorobiphenyl (Surr)</i>		<i>Recovery: 97 %</i>		<i>Limits: 44-120 %</i>		<i>Dilution: 4x</i>						
<i>p-Terphenyl-d14 (Surr)</i>		<i>101 %</i>		<i>54-127 %</i>		<i>"</i>						
<i>2,4,6-Tribromophenol (Surr)</i>		<i>90 %</i>		<i>39-132 %</i>		<i>"</i>						

Matrix Spike Dup (0110484-MSD2)						Prepared: 11/13/20 10:52 Analyzed: 11/20/20 22:24						
QC Source Sample: USMPDI-048SC-B-02-04-201103 (A0K0167-32RE1)												
EPA 8270E												
Acenaphthene	1940	87.8	176	ug/kg dry	40	35.1	2230	-821	40-123%	13	30%	Q-11
Acenaphthylene	587	87.8	176	ug/kg dry	40	35.1	ND	202	32-132%	6	30%	Q-11
Anthracene	2170	87.8	176	ug/kg dry	40	35.1	2530	-1040	47-123%	13	30%	Q-11
Benz(a)anthracene	1730	87.8	176	ug/kg dry	40	35.1	2070	-964	49-126%	11	30%	Q-11
Benzo(a)pyrene	2120	87.8	176	ug/kg dry	40	35.1	2000	349	45-129%	5	30%	Q-11
Benzo(b)fluoranthene	1550	87.8	176	ug/kg dry	40	35.1	1570	-40	45-132%	2	30%	Q-11
Benzo(k)fluoranthene	582	87.8	176	ug/kg dry	40	35.1	583	-4	47-132%	8	30%	Q-11
Benzo(g,h,i)perylene	1330	87.8	176	ug/kg dry	40	35.1	1250	232	43-134%	4	30%	Q-11

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Darwin Thomas, Business Development Director



ANALYTICAL REPORT

AMENDED REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062

Anchor QEA, LLC 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: US Moorings -- C2, C3, C4 Project Number: [none] Project Manager: Delaney Peterson	Report ID: A0K0167 - 08 16 21 1242
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QUALITY CONTROL (QC) SAMPLE RESULTS

Semivolatile Organic Compounds by EPA 8270E

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0110484 - EPA 3546												
Sediment												
Matrix Spike Dup (0110484-MSD2)												
Prepared: 11/13/20 10:52 Analyzed: 11/20/20 22:24												
QC Source Sample: USMPDI-048SC-B-02-04-201103 (A0K0167-32RE1)												
Chrysene	2130	87.8	176	ug/kg dry	40	35.1	2420	-820	50-124%	8	30%	Q-11
Dibenz(a,h)anthracene	184	87.8	176	ug/kg dry	40	35.1	154	87	45-134%	4	30%	Q-11
Fluoranthene	5120	87.8	176	ug/kg dry	40	35.1	6250	-3210	50-127%	10	30%	Q-11
Fluorene	1950	87.8	176	ug/kg dry	40	35.1	2270	-884	43-125%	13	30%	Q-11
Indeno(1,2,3-cd)pyrene	1070	87.8	176	ug/kg dry	40	35.1	972	273	45-133%	6	30%	Q-11
2-Methylnaphthalene	1640	87.8	176	ug/kg dry	40	35.1	1510	377	38-122%	5	30%	Q-11
Naphthalene	2200	87.8	176	ug/kg dry	40	35.1	2320	-337	35-123%	7	30%	Q-11
Phenanthrene	10200	87.8	176	ug/kg dry	40	35.1	12200	-5510	50-121%	16	30%	Q-11
Pyrene	5100	87.8	176	ug/kg dry	40	35.1	7280	-6190	47-127%	16	30%	Q-11
Pentachlorophenol (PCP)	ND	878	1760	ug/kg dry	40	87.8	ND		25-133%		30%	Q-11
<i>Surr: 2-Fluorobiphenyl (Surr) Recovery: 88 % Limits: 44-120 % Dilution: 40x S-05</i>												
<i>p-Terphenyl-d14 (Surr) 86 % 54-127 % " S-05</i>												
<i>2,4,6-Tribromophenol (Surr) 168 % 39-132 % " S-05</i>												

Matrix Spike Dup (0110484-MSD3)												
Prepared: 11/13/20 10:52 Analyzed: 11/16/20 18:48												
QC Source Sample: USMPDI-048SC-A-15-16-201103 (A0K0167-30)												
EPA 8270E												
Acenaphthene	93.6	6.65	13.3	ug/kg dry	4	26.6	54.6	147	40-123%	20	30%	Q-03
Acenaphthylene	31.8	6.65	13.3	ug/kg dry	4	26.6	ND	120	32-132%	8	30%	
Anthracene	38.4	6.65	13.3	ug/kg dry	4	26.6	ND	144	47-123%	13	30%	Q-01
Benz(a)anthracene	43.3	6.65	13.3	ug/kg dry	4	26.6	11.0	121	49-126%	20	30%	
Benzo(a)pyrene	63.9	6.65	13.3	ug/kg dry	4	26.6	14.3	186	45-129%	46	30%	Q-01
Benzo(b)fluoranthene	52.8	6.65	13.3	ug/kg dry	4	26.6	11.5	155	45-132%	41	30%	Q-01
Benzo(k)fluoranthene	36.5	6.65	13.3	ug/kg dry	4	26.6	ND	137	47-132%	27	30%	Q-01
Benzo(g,h,i)perylene	48.6	6.65	13.3	ug/kg dry	4	26.6	12.1	137	43-134%	30	30%	Q-01
Chrysene	48.4	6.65	13.3	ug/kg dry	4	26.6	13.5	131	50-124%	24	30%	Q-01
Dibenz(a,h)anthracene	24.3	6.65	13.3	ug/kg dry	4	26.6	ND	92	45-134%	6	30%	
Fluoranthene	161	6.65	13.3	ug/kg dry	4	26.6	97.8	239	50-127%	37	30%	Q-03
Fluorene	38.3	6.65	13.3	ug/kg dry	4	26.6	6.66	119	43-125%	16	30%	
Indeno(1,2,3-cd)pyrene	42.1	6.65	13.3	ug/kg dry	4	26.6	9.40	123	45-133%	30	30%	
2-Methylnaphthalene	32.8	6.65	13.3	ug/kg dry	4	26.6	ND	123	38-122%	24	30%	Q-01
Naphthalene	35.3	6.65	13.3	ug/kg dry	4	26.6	ND	133	35-123%	18	30%	Q-01
Phenanthrene	301	6.65	13.3	ug/kg dry	4	26.6	229	269	50-121%	24	30%	Q-03

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Darwin Thomas, Business Development Director



ANALYTICAL REPORT

AMENDED REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062

Anchor QEA, LLC 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: US Moorings -- C2, C3, C4 Project Number: [none] Project Manager: Delaney Peterson	Report ID: A0K0167 - 08 16 21 1242
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QUALITY CONTROL (QC) SAMPLE RESULTS

Semivolatile Organic Compounds by EPA 8270E

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0110484 - EPA 3546						Sediment						
Matrix Spike Dup (0110484-MSD3)						Prepared: 11/13/20 10:52 Analyzed: 11/16/20 18:48						
QC Source Sample: USMPDI-048SC-A-15-16-201103 (A0K0167-30)												
Pyrene	210	6.65	13.3	ug/kg dry	4	26.6	112	369	47-127%	34	30%	Q-03
Pentachlorophenol (PCP)	ND	66.5	133	ug/kg dry	4	66.5	ND		25-133%		30%	Q-11
<i>Surr: 2-Fluorobiphenyl (Surr)</i>		<i>Recovery: 98 %</i>		<i>Limits: 44-120 %</i>		<i>Dilution: 4x</i>						
<i>p-Terphenyl-d14 (Surr)</i>		<i>105 %</i>		<i>54-127 %</i>		<i>"</i>						
<i>2,4,6-Tribromophenol (Surr)</i>		<i>90 %</i>		<i>39-132 %</i>		<i>"</i>						

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Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062

Anchor QEA, LLC 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: US Moorings -- C2, C3, C4 Project Number: [none] Project Manager: Delaney Peterson	Report ID: A0K0167 - 08 16 21 1242
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QUALITY CONTROL (QC) SAMPLE RESULTS

Total Metals by EPA 6020B (ICPMS)

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0110615 - EPA 3051A												
Sediment												
Blank (0110615-BLK1)												
Prepared: 11/17/20 15:43 Analyzed: 11/18/20 16:40												
<u>EPA 6020B</u>												
Arsenic	ND	0.240	0.481	mg/kg wet	5	---	---	---	---	---	---	
Cadmium	ND	0.0481	0.0962	mg/kg wet	5	---	---	---	---	---	---	
Chromium	ND	0.240	0.481	mg/kg wet	5	---	---	---	---	---	---	
Copper	ND	0.481	0.962	mg/kg wet	5	---	---	---	---	---	---	
Lead	ND	0.0481	0.0962	mg/kg wet	5	---	---	---	---	---	---	
Manganese	ND	0.240	0.481	mg/kg wet	5	---	---	---	---	---	---	
Vanadium	ND	0.481	0.962	mg/kg wet	5	---	---	---	---	---	---	
Zinc	ND	0.962	1.92	mg/kg wet	5	---	---	---	---	---	---	
LCS (0110615-BS1)												
Prepared: 11/17/20 15:43 Analyzed: 11/18/20 16:45												
<u>EPA 6020B</u>												
Arsenic	26.4	0.250	0.500	mg/kg wet	5	25.0	---	106	80-120%	---	---	
Cadmium	25.1	0.0500	0.100	mg/kg wet	5	25.0	---	100	80-120%	---	---	
Chromium	26.2	0.250	0.500	mg/kg wet	5	25.0	---	105	80-120%	---	---	
Copper	27.2	0.500	1.00	mg/kg wet	5	25.0	---	109	80-120%	---	---	
Lead	26.5	0.0500	0.100	mg/kg wet	5	25.0	---	106	80-120%	---	---	
Manganese	26.3	0.250	0.500	mg/kg wet	5	25.0	---	105	80-120%	---	---	
Vanadium	26.4	0.500	1.00	mg/kg wet	5	25.0	---	106	80-120%	---	---	
Zinc	26.0	1.00	2.00	mg/kg wet	5	25.0	---	104	80-120%	---	---	
Matrix Spike (0110615-MS1)												
Prepared: 11/17/20 15:43 Analyzed: 11/18/20 18:32												
<u>QC Source Sample: USMPDI-048SC-B-02-04-201103 (A0K0167-32)</u>												
<u>EPA 6020B</u>												
Arsenic	45.2	0.444	0.887	mg/kg dry	5	44.4	5.80	89	75-125%	---	---	
Cadmium	39.5	0.0887	0.177	mg/kg dry	5	44.4	0.365	88	75-125%	---	---	
Chromium	71.6	0.444	0.887	mg/kg dry	5	44.4	33.2	86	75-125%	---	---	
Copper	87.7	0.887	1.77	mg/kg dry	5	44.4	49.7	86	75-125%	---	---	
Manganese	698	0.444	0.887	mg/kg dry	5	44.4	732	-77	75-125%	---	---	Q-03
Vanadium	136	0.887	1.77	mg/kg dry	5	44.4	103	74	75-125%	---	---	Q-04
Zinc	202	1.77	3.55	mg/kg dry	5	44.4	175	61	75-125%	---	---	Q-03
Matrix Spike (0110615-MS2)												
Prepared: 11/17/20 15:43 Analyzed: 11/19/20 12:36												

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ANALYTICAL REPORT

AMENDED REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323

ORELAP ID: OR100062

Anchor QEA, LLC

6720 SW Macadam Ave. Suite 125
Portland, OR 97219

Project: **US Moorings -- C2, C3, C4**

Project Number: [none]

Project Manager: **Delaney Peterson**

Report ID:

A0K0167 - 08 16 21 1242

QUALITY CONTROL (QC) SAMPLE RESULTS

Total Metals by EPA 6020B (ICPMS)

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0110615 - EPA 3051A												
Sediment												
Matrix Spike (0110615-MS2) Prepared: 11/17/20 15:43 Analyzed: 11/19/20 12:36												
<u>QC Source Sample: USMPDI-048SC-B-02-04-201103 (A0K0167-32RE1)</u>												
<u>EPA 6020B</u>												
Lead	73.3	0.0887	0.177	mg/kg dry	5	44.4	1050	-2210	75-125%	---	---	Q-04, Q-16

Matrix Spike Dup (0110615-MSD1) Prepared: 11/17/20 15:43 Analyzed: 11/18/20 18:36												
<u>QC Source Sample: USMPDI-048SC-B-02-04-201103 (A0K0167-32)</u>												
<u>EPA 6020B</u>												
Arsenic	45.2	0.444	0.889	mg/kg dry	5	44.4	5.80	89	75-125%	0.08	20%	
Cadmium	40.1	0.0889	0.178	mg/kg dry	5	44.4	0.365	89	75-125%	2	20%	
Chromium	72.5	0.444	0.889	mg/kg dry	5	44.4	33.2	88	75-125%	1	20%	
Copper	89.8	0.889	1.78	mg/kg dry	5	44.4	49.7	90	75-125%	2	20%	
Manganese	701	0.444	0.889	mg/kg dry	5	44.4	732	-69	75-125%	0.5	20%	Q-03
Vanadium	136	0.889	1.78	mg/kg dry	5	44.4	103	74	75-125%	0.06	20%	Q-04
Zinc	200	1.78	3.55	mg/kg dry	5	44.4	175	57	75-125%	0.8	20%	Q-03

Matrix Spike Dup (0110615-MSD2) Prepared: 11/17/20 15:43 Analyzed: 11/19/20 12:40												
<u>QC Source Sample: USMPDI-048SC-B-02-04-201103 (A0K0167-32RE1)</u>												
<u>EPA 6020B</u>												
Lead	72.9	0.0889	0.178	mg/kg dry	5	44.4	1050	-2210	75-125%	0.5	20%	Q-04, Q-16

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Darwin Thomas, Business Development Director



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6700 S.W. Sandburg Street
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ORELAP ID: OR100062

Anchor QEA, LLC 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: US Moorings -- C2, C3, C4 Project Number: [none] Project Manager: Delaney Peterson	Report ID: A0K0167 - 08 16 21 1242
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QUALITY CONTROL (QC) SAMPLE RESULTS

Total Metals by EPA 6020B (ICPMS)

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0110692 - EPA 3051A												
Sediment												
Blank (0110692-BLK1) Prepared: 11/19/20 10:04 Analyzed: 11/19/20 12:47												
<u>EPA 6020B</u>												
Arsenic	ND	0.240	0.481	mg/kg wet	5	---	---	---	---	---	---	
Cadmium	ND	0.0481	0.0962	mg/kg wet	5	---	---	---	---	---	---	
Chromium	ND	0.240	0.481	mg/kg wet	5	---	---	---	---	---	---	
Copper	ND	0.481	0.962	mg/kg wet	5	---	---	---	---	---	---	
Lead	ND	0.0481	0.0962	mg/kg wet	5	---	---	---	---	---	---	
Manganese	ND	0.240	0.481	mg/kg wet	5	---	---	---	---	---	---	
Vanadium	ND	0.481	0.962	mg/kg wet	5	---	---	---	---	---	---	
Zinc	ND	0.962	1.92	mg/kg wet	5	---	---	---	---	---	---	
LCS (0110692-BS1) Prepared: 11/19/20 10:04 Analyzed: 11/19/20 12:52												
<u>EPA 6020B</u>												
Arsenic	26.0	0.250	0.500	mg/kg wet	5	25.0	---	104	80-120%	---	---	
Cadmium	25.3	0.0500	0.100	mg/kg wet	5	25.0	---	101	80-120%	---	---	
Chromium	25.6	0.250	0.500	mg/kg wet	5	25.0	---	102	80-120%	---	---	
Copper	26.8	0.500	1.00	mg/kg wet	5	25.0	---	107	80-120%	---	---	
Lead	26.4	0.0500	0.100	mg/kg wet	5	25.0	---	106	80-120%	---	---	
Manganese	25.7	0.250	0.500	mg/kg wet	5	25.0	---	103	80-120%	---	---	
Vanadium	25.9	0.500	1.00	mg/kg wet	5	25.0	---	104	80-120%	---	---	
Zinc	25.8	1.00	2.00	mg/kg wet	5	25.0	---	103	80-120%	---	---	
Matrix Spike (0110692-MS1) Prepared: 11/19/20 10:04 Analyzed: 11/19/20 13:52												
<u>QC Source Sample: Non-SDG (A0K0224-08)</u>												
<u>EPA 6020B</u>												
Arsenic	34.2	0.305	0.609	mg/kg dry	5	30.5	2.91	103	75-125%	---	---	
Cadmium	31.3	0.0609	0.122	mg/kg dry	5	30.5	ND	103	75-125%	---	---	
Chromium	46.6	0.305	0.609	mg/kg dry	5	30.5	14.3	106	75-125%	---	---	
Copper	48.8	0.609	1.22	mg/kg dry	5	30.5	16.2	107	75-125%	---	---	
Lead	34.7	0.0609	0.122	mg/kg dry	5	30.5	4.45	99	75-125%	---	---	
Manganese	287	0.305	0.609	mg/kg dry	5	30.5	235	168	75-125%	---	---	Q-03
Vanadium	96.4	0.609	1.22	mg/kg dry	5	30.5	61.4	115	75-125%	---	---	
Zinc	80.1	1.22	2.44	mg/kg dry	5	30.5	47.6	107	75-125%	---	---	
Matrix Spike Dup (0110692-MSD1) Prepared: 11/19/20 10:04 Analyzed: 11/19/20 13:57												

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QUALITY CONTROL (QC) SAMPLE RESULTS

Total Metals by EPA 6020B (ICPMS)

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0110692 - EPA 3051A						Sediment						
Matrix Spike Dup (0110692-MSD1)						Prepared: 11/19/20 10:04 Analyzed: 11/19/20 13:57						
QC Source Sample: Non-SDG (A0K0224-08)												
Arsenic	30.6	0.297	0.594	mg/kg dry	5	29.7	2.91	93	75-125%	11	20%	
Cadmium	27.3	0.0594	0.119	mg/kg dry	5	29.7	ND	92	75-125%	14	20%	
Chromium	41.7	0.297	0.594	mg/kg dry	5	29.7	14.3	92	75-125%	11	20%	
Copper	43.2	0.594	1.19	mg/kg dry	5	29.7	16.2	91	75-125%	12	20%	
Lead	32.6	0.0594	0.119	mg/kg dry	5	29.7	4.45	95	75-125%	6	20%	
Manganese	264	0.297	0.594	mg/kg dry	5	29.7	235	97	75-125%	8	20%	
Vanadium	86.8	0.594	1.19	mg/kg dry	5	29.7	61.4	86	75-125%	11	20%	
Zinc	72.8	1.19	2.37	mg/kg dry	5	29.7	47.6	85	75-125%	10	20%	

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QUALITY CONTROL (QC) SAMPLE RESULTS

Soluble Cyanide by UV Digestion/Gas Diffusion/Amperometric Detection

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0110270 - ASTM D7511-12mod (S)						Soil						
Blank (0110270-BLK2)			Prepared: 11/09/20 09:39 Analyzed: 11/12/20 14:39									
<u>D7511-12</u>												
Total Cyanide	ND	0.0500	0.100	mg/kg wet	1	---	---	---	---	---	---	
LCS (0110270-BS3)			Prepared: 11/09/20 09:39 Analyzed: 11/12/20 14:41									
<u>D7511-12</u>												
Total Cyanide	0.408	0.0500	0.100	mg/kg wet	1	0.400	---	102	84-116%	---	---	
Matrix Spike (0110270-MS3)			Prepared: 11/09/20 09:39 Analyzed: 11/12/20 14:47									
<u>QC Source Sample: Non-SDG (A0J1069-29RE1)</u>												
<u>D7511-12</u>												
Total Cyanide	0.325	0.0557	0.111	mg/kg dry	1	0.446	ND	73	64-136%	---	---	
Matrix Spike (0110270-MS5)			Prepared: 11/09/20 09:39 Analyzed: 11/13/20 11:17									
<u>QC Source Sample: USMPDI-048SC-B-02-04-201103 (A0K0167-32RE2)</u>												
<u>D7511-12</u>												
Total Cyanide	33.2	1.79	3.58	mg/kg dry	20	0.716	111	-10900	64-136%	---	---	Q-04, Q-16
Matrix Spike Dup (0110270-MSD1)			Prepared: 11/09/20 09:39 Analyzed: 11/11/20 19:05									
<u>QC Source Sample: Non-SDG (A0J1069-29)</u>												
Total Cyanide	ND	0.0560	0.112	mg/kg dry	1	0.448	ND		64-136%	200	47%	
Matrix Spike Dup (0110270-MSD3)			Prepared: 11/09/20 09:39 Analyzed: 11/12/20 14:49									
<u>QC Source Sample: Non-SDG (A0J1069-29RE1)</u>												
Total Cyanide	0.355	0.0560	0.112	mg/kg dry	1	0.448	ND	79	64-136%	9	47%	
Matrix Spike Dup (0110270-MSD5)			Prepared: 11/09/20 09:39 Analyzed: 11/13/20 11:19									
<u>QC Source Sample: USMPDI-048SC-B-02-04-201103 (A0K0167-32RE2)</u>												
<u>D7511-12</u>												
Total Cyanide	32.5	1.76	3.53	mg/kg dry	20	0.706	111	-11100	64-136%	2	47%	Q-04, Q-16

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QUALITY CONTROL (QC) SAMPLE RESULTS

Soluble Cyanide by UV Digestion/Gas Diffusion/Amperometric Detection

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0110330 - ASTM D7511-12mod (S)						Soil						
Blank (0110330-BLK2)			Prepared: 11/10/20 11:44 Analyzed: 11/13/20 11:01									
<u>D7511-12</u>												
Total Cyanide	ND	0.0500	0.100	mg/kg wet	1	---	---	---	---	---	---	Q-16
LCS (0110330-BS2)			Prepared: 11/10/20 11:44 Analyzed: 11/13/20 11:03									
<u>D7511-12</u>												
Total Cyanide	0.420	0.0500	0.100	mg/kg wet	1	0.400	---	105	84-116%	---	---	Q-16
Matrix Spike (0110330-MS1)			Prepared: 11/10/20 11:44 Analyzed: 11/13/20 11:35									
<u>QC Source Sample: Non-SDG (A0K0224-08RE1)</u>												
<u>D7511-12</u>												
Total Cyanide	0.504	0.0582	0.116	mg/kg dry	1	0.465	0.287	47	64-136%	---	---	Q-04
Matrix Spike (0110330-MS4)			Prepared: 11/10/20 11:44 Analyzed: 11/13/20 13:38									
<u>QC Source Sample: Non-SDG (A0K0224-23RE1)</u>												
<u>D7511-12</u>												
Total Cyanide	135	8.67	17.3	mg/kg dry	100	0.694	92.5	6180	64-136%	---	---	Q-03, Q-16
Matrix Spike Dup (0110330-MSD1)			Prepared: 11/10/20 11:44 Analyzed: 11/13/20 11:37									
<u>QC Source Sample: Non-SDG (A0K0224-08RE1)</u>												
Total Cyanide	1.15	0.0592	0.118	mg/kg dry	1	0.474	0.287	181	64-136%	78	47%	Q-04
Matrix Spike Dup (0110330-MSD4)			Prepared: 11/10/20 11:44 Analyzed: 11/13/20 13:42									
<u>QC Source Sample: Non-SDG (A0K0224-23RE1)</u>												
Total Cyanide	136	8.83	17.7	mg/kg dry	100	0.707	92.5	6170	64-136%	0.6	47%	Q-03, Q-16

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QUALITY CONTROL (QC) SAMPLE RESULTS

Demand Parameters

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0110195 - PSEP-5310B TOC						Soil						
Blank (0110195-BLK1)			Prepared: 11/06/20 09:17 Analyzed: 11/09/20 19:12									
<u>PSEP_SM 5310B MOD</u>												
Total Organic Carbon	ND	---	0.020	% by Weight wet	1	---	---	---	---	---	---	
LCS (0110195-BS1)			Prepared: 11/06/20 09:17 Analyzed: 11/09/20 19:23									
<u>PSEP_SM 5310B MOD</u>												
Total Organic Carbon	10000	---		mg/kg	1	10000	---	100	88-111%	---	---	
Duplicate (0110195-DUP1)			Prepared: 11/06/20 09:17 Analyzed: 11/10/20 01:19									
<u>QC Source Sample: Non-SDG (A0K0119-01)</u>												
Total Organic Carbon	0.036	---	0.023	% by Weight dry	1	---	0.059	---	---	47	27%	H-08, Q-05
Duplicate (0110195-DUP2)			Prepared: 11/06/20 09:17 Analyzed: 11/10/20 01:30									
<u>QC Source Sample: Non-SDG (A0K0119-01)</u>												
Total Organic Carbon	0.041	---	0.023	% by Weight dry	1	---	0.059	---	---	35	27%	H-08, Q-05
Duplicate (0110195-DUP3)			Prepared: 11/06/20 09:17 Analyzed: 11/10/20 02:57									
<u>QC Source Sample: USMPDI-038SC-A-11-12-201103 (A0K0167-01)</u>												
<u>PSEP_SM 5310B MOD</u>												
Total Organic Carbon	2.6	---	0.034	% by Weight dry	1	---	2.5	---	---	3	27%	

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QUALITY CONTROL (QC) SAMPLE RESULTS

Demand Parameters

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0110197 - PSEP-5310B TOC						Soil						
Blank (0110197-BLK1)			Prepared: 11/06/20 09:18 Analyzed: 11/10/20 17:40									
<u>PSEP_SM 5310B MOD</u>												
Total Organic Carbon	ND	---	0.020	% by Weight wet	1	---	---	---	---	---	---	
LCS (0110197-BS1)			Prepared: 11/06/20 09:18 Analyzed: 11/10/20 17:51									
<u>PSEP_SM 5310B MOD</u>												
Total Organic Carbon	9900	---		mg/kg	1	10000	---	99	88-111%	---	---	
Duplicate (0110197-DUP1)			Prepared: 11/06/20 09:18 Analyzed: 11/10/20 20:54									
<u>QC Source Sample: USMPDI-048SC-A-15-16-201103 (A0K0167-30)</u>												
<u>PSEP_SM 5310B MOD</u>												
Total Organic Carbon	0.11	---	0.028	% by Weight dry	1	---	0.13	---	---	18	27%	
Duplicate (0110197-DUP2)			Prepared: 11/06/20 09:18 Analyzed: 11/10/20 21:05									
<u>QC Source Sample: USMPDI-048SC-A-15-16-201103 (A0K0167-30)</u>												
<u>PSEP_SM 5310B MOD</u>												
Total Organic Carbon	0.11	---	0.028	% by Weight dry	1	---	0.13	---	---	11	27%	
Duplicate (0110197-DUP3)			Prepared: 11/06/20 09:18 Analyzed: 11/10/20 21:59									
<u>QC Source Sample: USMPDI-048SC-B-02-04-201103 (A0K0167-32)</u>												
<u>PSEP_SM 5310B MOD</u>												
Total Organic Carbon	2.4	---	0.036	% by Weight dry	1	---	2.6	---	---	8	27%	

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QUALITY CONTROL (QC) SAMPLE RESULTS

Solid and Moisture Determinations

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0110192 - Total Solids (SM2540G/PSEP)						Sediment						
Duplicate (0110192-DUP1)						Prepared: 11/06/20 09:06 Analyzed: 11/09/20 12:58						
<u>QC Source Sample: Non-SDG (A0K0120-01)</u>												
Total Solids	74.1	---	1.00	%	1	---	77.4	---	---	4	10%	
Duplicate (0110192-DUP2)						Prepared: 11/06/20 09:06 Analyzed: 11/09/20 12:58						
<u>QC Source Sample: USMPDI-038SC-B-10-12-201103 (A0K0167-11)</u>												
<u>SM 2540 G</u>												
Total Solids	57.8	---	1.00	%	1	---	57.7	---	---	0.1	10%	

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QUALITY CONTROL (QC) SAMPLE RESULTS

Solid and Moisture Determinations

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0110193 - Total Solids (SM2540G/PSEP)						Sediment						
Duplicate (0110193-DUP1)						Prepared: 11/06/20 09:13 Analyzed: 11/09/20 16:37						
<u>QC Source Sample: USMPDI-048SC-A-15-16-201103 (A0K0167-30)</u>												
<u>SM 2540 G</u>												
Total Solids	71.3	---	1.00	%	1	---	71.3	---	---	0.05	10%	
Duplicate (0110193-DUP2)						Prepared: 11/06/20 09:13 Analyzed: 11/09/20 16:37						
<u>QC Source Sample: USMPDI-048SC-B-04-06-201103 (A0K0167-33)</u>												
<u>SM 2540 G</u>												
Total Solids	57.7	---	1.00	%	1	---	58.3	---	---	1	10%	

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QUALITY CONTROL (QC) SAMPLE RESULTS

Solid and Moisture Determinations

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0110264 - Total Solids (SM2540G/PSEP)						Sediment						
Duplicate (0110264-DUP1)						Prepared: 11/09/20 09:10 Analyzed: 11/11/20 12:31						
<u>QC Source Sample: USMPDI-048SC-B-06-08-201103 (A0K0167-34)</u>												
<u>SM 2540 G</u>												
Total Solids	55.9	---	1.00	%	1	---	56.3	---	---	0.6	10%	
Duplicate (0110264-DUP2)						Prepared: 11/09/20 09:10 Analyzed: 11/11/20 12:31						
<u>QC Source Sample: Non-SDG (A0K0224-08)</u>												
Total Solids	84.3	---	1.00	%	1	---	84.4	---	---	0.1	10%	

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QUALITY CONTROL (QC) SAMPLE RESULTS

Solid and Moisture Determinations

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0110397 - Total Solids (SM2540G/PSEP)						Sediment						
Duplicate (0110397-DUP1)						Prepared: 11/11/20 11:23 Analyzed: 11/12/20 18:07						
<u>QC Source Sample: USMPDI-048SC-B-02-04-201103 (A0K0167-32RE1)</u>												
<u>SM 2540 G</u>												
Total Solids	55.1	---	1.00	%	1	---	55.8	---	---	1	10%	
Duplicate (0110397-DUP2)						Prepared: 11/11/20 11:23 Analyzed: 11/12/20 18:07						
<u>QC Source Sample: Non-SDG (A0K0255-14)</u>												
Total Solids	54.4	---	1.00	%	1	---	54.5	---	---	0.2	10%	
Duplicate (0110397-DUP3)						Prepared: 11/11/20 11:23 Analyzed: 11/12/20 18:07						
<u>QC Source Sample: Non-SDG (A0K0255-18)</u>												
Total Solids	52.2	---	1.00	%	1	---	51.3	---	---	2	10%	

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SAMPLE PREPARATION INFORMATION

Selected Volatile Organic Compounds by EPA 8260D

Prep: EPA 5030B

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
<u>Batch: 0110187</u>							
A0K0167-05	WQ	EPA 8260D	11/03/20 09:52	11/06/20 08:27	5mL/5mL	5mL/5mL	1.00

Selected Volatile Organic Compounds by EPA 5035A/8260D

Prep: EPA 5035A

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
<u>Batch: 0110296</u>							
A0K0167-06RE1	SE	5035A/8260D	11/03/20 09:15	11/03/20 09:15	4.35g/5mL	5g/5mL	1.15
A0K0167-07RE1	SE	5035A/8260D	11/03/20 09:15	11/03/20 09:15	2.65g/5mL	5g/5mL	1.89
A0K0167-08RE1	SE	5035A/8260D	11/03/20 09:15	11/03/20 09:15	5.32g/5mL	5g/5mL	0.94
A0K0167-09RE1	SE	5035A/8260D	11/03/20 09:15	11/03/20 09:15	4.73g/5mL	5g/5mL	1.06
A0K0167-10RE1	SE	5035A/8260D	11/03/20 09:15	11/03/20 09:15	5.27g/5mL	5g/5mL	0.95
A0K0167-11RE1	SE	5035A/8260D	11/03/20 09:15	11/03/20 09:15	4.78g/5mL	5g/5mL	1.05
A0K0167-12RE1	SE	5035A/8260D	11/03/20 09:15	11/03/20 09:15	5.01g/5mL	5g/5mL	1.00
A0K0167-13RE1	SE	5035A/8260D	11/03/20 09:15	11/03/20 09:15	5.01g/5mL	5g/5mL	1.00
A0K0167-19RE1	SE	5035A/8260D	11/03/20 15:50	11/03/20 15:50	3.94g/5mL	5g/5mL	1.27
A0K0167-20RE1	SE	5035A/8260D	11/03/20 15:50	11/03/20 15:50	4.93g/5mL	5g/5mL	1.01
A0K0167-21RE1	SE	5035A/8260D	11/03/20 15:50	11/03/20 15:50	5.61g/5mL	5g/5mL	0.89
A0K0167-22RE1	SE	5035A/8260D	11/03/20 15:50	11/03/20 15:50	5.76g/5mL	5g/5mL	0.87
A0K0167-23RE1	SE	5035A/8260D	11/03/20 15:50	11/03/20 15:50	5.5g/5mL	5g/5mL	0.91
A0K0167-24RE1	SE	5035A/8260D	11/03/20 15:50	11/03/20 15:50	5.18g/5mL	5g/5mL	0.97
A0K0167-25RE1	SE	5035A/8260D	11/03/20 15:50	11/03/20 15:50	5g/5mL	5g/5mL	1.00
<u>Batch: 0110315</u>							
A0K0167-35	SE	5035A/8260D	11/03/20 12:45	11/03/20 12:45	4.88g/5mL	5g/5mL	1.02
A0K0167-36	SE	5035A/8260D	11/03/20 12:45	11/03/20 12:45	5.05g/5mL	5g/5mL	0.99
A0K0167-37	SE	5035A/8260D	11/03/20 12:45	11/03/20 12:45	5.2g/5mL	5g/5mL	0.96
A0K0167-38	SE	5035A/8260D	11/03/20 12:45	11/03/20 12:45	6.46g/5mL	5g/5mL	0.77
<u>Batch: 0110338</u>							
A0K0167-26	SE	5035A/8260D	11/03/20 15:50	11/03/20 15:50	5.08g/5mL	5g/5mL	0.98
A0K0167-31	SE	5035A/8260D	11/03/20 12:45	11/03/20 12:45	3.92g/5mL	5g/5mL	1.28
A0K0167-32	SE	5035A/8260D	11/03/20 12:45	11/03/20 12:45	4.04g/5mL	5g/5mL	1.24
A0K0167-33	SE	5035A/8260D	11/03/20 12:45	11/03/20 12:45	4.62g/5mL	5g/5mL	1.08
<u>Batch: 0110409</u>							
A0K0167-34RE1	SE	5035A/8260D	11/03/20 12:45	11/03/20 12:45	4.69g/5mL	5g/5mL	1.07

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ANALYTICAL REPORT

AMENDED REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street

Tigard, OR 97223

503-718-2323

ORELAP ID: OR100062

Anchor QEA, LLC

6720 SW Macadam Ave. Suite 125

Portland, OR 97219

Project: **US Moorings -- C2, C3, C4**

Project Number: [none]

Project Manager: **Delaney Peterson**

Report ID:

A0K0167 - 08 16 21 1242

SAMPLE PREPARATION INFORMATION

Polychlorinated Biphenyls by EPA 8082A

Prep: EPA 3546

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
<u>Batch: 0110791</u>							
A0K0167-01	SE	EPA 8082A	11/03/20 09:40	11/21/20 08:54	10.25g/2mL	10g/2mL	0.98
A0K0167-02	SE	EPA 8082A	11/03/20 09:40	11/21/20 08:54	10.52g/2mL	10g/2mL	0.95
A0K0167-03	SE	EPA 8082A	11/03/20 09:40	11/21/20 08:54	10.2g/2mL	10g/2mL	0.98
A0K0167-04	SE	EPA 8082A	11/03/20 09:40	11/21/20 08:54	10.36g/2mL	10g/2mL	0.97
A0K0167-06	SE	EPA 8082A	11/03/20 09:15	11/21/20 08:54	10.76g/2mL	10g/2mL	0.93
A0K0167-07	SE	EPA 8082A	11/03/20 09:15	11/21/20 08:54	10.42g/2mL	10g/2mL	0.96
A0K0167-08	SE	EPA 8082A	11/03/20 09:15	11/21/20 08:54	10.06g/2mL	10g/2mL	0.99
A0K0167-09	SE	EPA 8082A	11/03/20 09:15	11/21/20 08:54	10.46g/2mL	10g/2mL	0.96
A0K0167-10	SE	EPA 8082A	11/03/20 09:15	11/21/20 08:54	10.23g/2mL	10g/2mL	0.98
A0K0167-14	SE	EPA 8082A	11/03/20 16:30	11/21/20 08:54	10.65g/2mL	10g/2mL	0.94
A0K0167-15	SE	EPA 8082A	11/03/20 16:30	11/21/20 08:54	10.22g/2mL	10g/2mL	0.98
A0K0167-16	SE	EPA 8082A	11/03/20 16:30	11/21/20 08:54	10.04g/2mL	10g/2mL	1.00
A0K0167-17	SE	EPA 8082A	11/03/20 16:30	11/21/20 08:54	10.06g/2mL	10g/2mL	0.99
A0K0167-18	SE	EPA 8082A	11/03/20 16:30	11/21/20 08:54	10.32g/2mL	10g/2mL	0.97
<u>Batch: 0110792</u>							
A0K0167-19	SE	EPA 8082A	11/03/20 15:50	11/21/20 08:55	10.08g/2mL	10g/2mL	0.99
A0K0167-20	SE	EPA 8082A	11/03/20 15:50	11/21/20 08:55	10.42g/2mL	10g/2mL	0.96
A0K0167-25	SE	EPA 8082A	11/03/20 15:50	11/21/20 08:55	10.62g/2mL	10g/2mL	0.94
A0K0167-26	SE	EPA 8082A	11/03/20 15:50	11/21/20 08:55	10.06g/2mL	10g/2mL	0.99
A0K0167-27	SE	EPA 8082A	11/03/20 13:30	11/21/20 08:55	10.01g/2mL	10g/2mL	1.00
A0K0167-28	SE	EPA 8082A	11/03/20 13:30	11/21/20 08:55	10.29g/2mL	10g/2mL	0.97
A0K0167-31	SE	EPA 8082A	11/03/20 12:45	11/21/20 08:55	10.63g/2mL	10g/2mL	0.94
A0K0167-32	SE	EPA 8082A	11/03/20 12:45	11/21/20 08:55	10.26g/2mL	10g/2mL	0.98
A0K0167-33	SE	EPA 8082A	11/03/20 12:45	11/21/20 08:55	10.17g/2mL	10g/2mL	0.98
A0K0167-34	SE	EPA 8082A	11/03/20 12:45	11/21/20 08:55	10.39g/2mL	10g/2mL	0.96
A0K0167-35RE1	SE	EPA 8082A	11/03/20 12:45	11/21/20 08:55	10.07g/2mL	10g/2mL	0.99
A0K0167-36RE1	SE	EPA 8082A	11/03/20 12:45	11/21/20 08:55	10.5g/2mL	10g/2mL	0.95
<u>Batch: 0110979</u>							
A0K0167-24RE1	SE	EPA 8082A	11/03/20 15:50	11/30/20 07:02	10.62g/2mL	10g/2mL	0.94
A0K0167-29RE1	SE	EPA 8082A	11/03/20 13:30	11/30/20 07:02	10.3g/2mL	10g/2mL	0.97
A0K0167-30RE1	SE	EPA 8082A	11/03/20 13:30	11/30/20 07:02	10.19g/2mL	10g/2mL	0.98

Organochlorine Pesticides by EPA 8081B

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Darwin Thomas, Business Development Director



ANALYTICAL REPORT

AMENDED REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street

Tigard, OR 97223

503-718-2323

ORELAP ID: OR100062

Anchor QEA, LLC

6720 SW Macadam Ave. Suite 125

Portland, OR 97219

Project: **US Moorings -- C2, C3, C4**

Project Number: [none]

Project Manager: **Delaney Peterson**

Report ID:

A0K0167 - 08 16 21 1242

SAMPLE PREPARATION INFORMATION

Organochlorine Pesticides by EPA 8081B

Prep: EPA 3546

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
<u>Batch: 0110504</u>							
A0K0167-20RE1	SE	EPA 8081B	11/03/20 15:50	11/13/20 10:59	10.01g/10mL	10g/5mL	2.00
A0K0167-24RE1	SE	EPA 8081B	11/03/20 15:50	11/13/20 10:59	10.14g/10mL	10g/5mL	1.97
A0K0167-25RE1	SE	EPA 8081B	11/03/20 15:50	11/13/20 10:59	10.32g/10mL	10g/5mL	1.94
A0K0167-26RE1	SE	EPA 8081B	11/03/20 15:50	11/13/20 10:59	10.01g/10mL	10g/5mL	2.00
A0K0167-27RE1	SE	EPA 8081B	11/03/20 13:30	11/13/20 10:59	10.26g/10mL	10g/5mL	1.95
A0K0167-28RE1	SE	EPA 8081B	11/03/20 13:30	11/13/20 10:59	10.19g/10mL	10g/5mL	1.96
A0K0167-29RE1	SE	EPA 8081B	11/03/20 13:30	11/13/20 10:59	10.26g/10mL	10g/5mL	1.95
A0K0167-31RE1	SE	EPA 8081B	11/03/20 12:45	11/13/20 10:59	10.2g/10mL	10g/5mL	1.96
A0K0167-32RE1	SE	EPA 8081B	11/03/20 12:45	11/13/20 10:59	10.08g/10mL	10g/5mL	1.98
A0K0167-33RE1	SE	EPA 8081B	11/03/20 12:45	11/13/20 10:59	10.34g/10mL	10g/5mL	1.93
A0K0167-34RE1	SE	EPA 8081B	11/03/20 12:45	11/13/20 10:59	10.3g/10mL	10g/5mL	1.94
A0K0167-35RE1	SE	EPA 8081B	11/03/20 12:45	11/13/20 10:59	10.25g/10mL	10g/5mL	1.95
A0K0167-36RE1	SE	EPA 8081B	11/03/20 12:45	11/13/20 10:59	10.1g/10mL	10g/5mL	1.98

Batch: 0110505

A0K0167-01RE1	SE	EPA 8081B	11/03/20 09:40	11/12/20 15:34	10.15g/10mL	10g/5mL	1.97
A0K0167-02RE1	SE	EPA 8081B	11/03/20 09:40	11/12/20 15:34	10.12g/10mL	10g/5mL	1.98
A0K0167-03RE1	SE	EPA 8081B	11/03/20 09:40	11/12/20 15:34	10.02g/10mL	10g/5mL	2.00
A0K0167-04RE1	SE	EPA 8081B	11/03/20 09:40	11/12/20 15:34	10.18g/10mL	10g/5mL	1.96
A0K0167-06RE1	SE	EPA 8081B	11/03/20 09:15	11/12/20 15:34	10.06g/10mL	10g/5mL	1.99
A0K0167-07RE1	SE	EPA 8081B	11/03/20 09:15	11/12/20 15:34	10.12g/10mL	10g/5mL	1.98
A0K0167-08RE1	SE	EPA 8081B	11/03/20 09:15	11/12/20 15:34	10.23g/10mL	10g/5mL	1.96
A0K0167-09RE1	SE	EPA 8081B	11/03/20 09:15	11/12/20 15:34	10.14g/10mL	10g/5mL	1.97
A0K0167-10RE1	SE	EPA 8081B	11/03/20 09:15	11/12/20 15:34	10.18g/10mL	10g/5mL	1.96
A0K0167-14RE1	SE	EPA 8081B	11/03/20 16:30	11/12/20 15:34	10.05g/10mL	10g/5mL	1.99
A0K0167-15RE1	SE	EPA 8081B	11/03/20 16:30	11/12/20 15:34	10.13g/10mL	10g/5mL	1.97
A0K0167-16RE1	SE	EPA 8081B	11/03/20 16:30	11/12/20 15:34	10.1g/10mL	10g/5mL	1.98
A0K0167-17RE1	SE	EPA 8081B	11/03/20 16:30	11/12/20 15:34	10.24g/10mL	10g/5mL	1.95
A0K0167-18RE1	SE	EPA 8081B	11/03/20 16:30	11/12/20 15:34	10.13g/10mL	10g/5mL	1.97
A0K0167-19RE1	SE	EPA 8081B	11/03/20 15:50	11/12/20 15:34	10.37g/10mL	10g/5mL	1.93
A0K0167-30RE1	SE	EPA 8081B	11/03/20 13:30	11/12/20 15:34	10.19g/10mL	10g/5mL	1.96

Semivolatile Organic Compounds by EPA 8270E

Prep: EPA 3546

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
<u>Batch: 0110447</u>							

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Darwin Thomas, Business Development Director



ANALYTICAL REPORT

AMENDED REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street

Tigard, OR 97223

503-718-2323

ORELAP ID: OR100062

Anchor QEA, LLC

6720 SW Macadam Ave. Suite 125

Portland, OR 97219

Project: US Moorings -- C2, C3, C4

Project Number: [none]

Project Manager: Delaney Peterson

Report ID:

A0K0167 - 08 16 21 1242

SAMPLE PREPARATION INFORMATION

Semivolatile Organic Compounds by EPA 8270E

Prep: EPA 3546

Table with 8 columns: Lab Number, Matrix, Method, Sampled, Prepared, Sample Initial/Final, Default Initial/Final, RL Prep Factor. Rows include sample IDs A0K0167-02 through A0K0167-38.

Batch: 0110484

Apex Laboratories

Signature of Darwin Thomas

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Darwin Thomas, Business Development Director



ANALYTICAL REPORT

AMENDED REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062

Anchor QEA, LLC 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: US Moorings -- C2, C3, C4 Project Number: [none] Project Manager: Delaney Peterson	Report ID: A0K0167 - 08 16 21 1242
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SAMPLE PREPARATION INFORMATION

Total Metals by EPA 6020B (ICPMS)

Prep: EPA 3051A

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
<u>Batch: 0110615</u>							
A0K0167-06	SE	EPA 6020B	11/03/20 09:15	11/17/20 15:43	0.487g/50mL	0.5g/50mL	1.03
A0K0167-07	SE	EPA 6020B	11/03/20 09:15	11/17/20 15:43	0.501g/50mL	0.5g/50mL	1.00
A0K0167-08	SE	EPA 6020B	11/03/20 09:15	11/17/20 15:43	0.499g/50mL	0.5g/50mL	1.00
A0K0167-09	SE	EPA 6020B	11/03/20 09:15	11/17/20 15:43	0.502g/50mL	0.5g/50mL	1.00
A0K0167-10	SE	EPA 6020B	11/03/20 09:15	11/17/20 15:43	0.511g/50mL	0.5g/50mL	0.98
A0K0167-11	SE	EPA 6020B	11/03/20 09:15	11/17/20 15:43	0.504g/50mL	0.5g/50mL	0.99
A0K0167-12	SE	EPA 6020B	11/03/20 09:15	11/17/20 15:43	0.506g/50mL	0.5g/50mL	0.99
A0K0167-13	SE	EPA 6020B	11/03/20 09:15	11/17/20 15:43	0.514g/50mL	0.5g/50mL	0.97
A0K0167-19	SE	EPA 6020B	11/03/20 15:50	11/17/20 15:43	0.509g/50mL	0.5g/50mL	0.98
A0K0167-20	SE	EPA 6020B	11/03/20 15:50	11/17/20 15:43	0.497g/50mL	0.5g/50mL	1.01
A0K0167-21	SE	EPA 6020B	11/03/20 15:50	11/17/20 15:43	0.507g/50mL	0.5g/50mL	0.99
A0K0167-22	SE	EPA 6020B	11/03/20 15:50	11/17/20 15:43	0.507g/50mL	0.5g/50mL	0.99
A0K0167-23	SE	EPA 6020B	11/03/20 15:50	11/17/20 15:43	0.5g/50mL	0.5g/50mL	1.00
A0K0167-24	SE	EPA 6020B	11/03/20 15:50	11/17/20 15:43	0.496g/50mL	0.5g/50mL	1.01
A0K0167-25	SE	EPA 6020B	11/03/20 15:50	11/17/20 15:43	0.481g/50mL	0.5g/50mL	1.04
A0K0167-26	SE	EPA 6020B	11/03/20 15:50	11/17/20 15:43	0.503g/50mL	0.5g/50mL	0.99
A0K0167-31	SE	EPA 6020B	11/03/20 12:45	11/17/20 15:43	0.488g/50mL	0.5g/50mL	1.02
A0K0167-32	SE	EPA 6020B	11/03/20 12:45	11/17/20 15:43	0.491g/50mL	0.5g/50mL	1.02
A0K0167-32RE1	SE	EPA 6020B	11/03/20 12:45	11/17/20 15:43	0.491g/50mL	0.5g/50mL	1.02
A0K0167-33	SE	EPA 6020B	11/03/20 12:45	11/17/20 15:43	0.504g/50mL	0.5g/50mL	0.99
A0K0167-34	SE	EPA 6020B	11/03/20 12:45	11/17/20 15:43	0.51g/50mL	0.5g/50mL	0.98
<u>Batch: 0110692</u>							
A0K0167-35	SE	EPA 6020B	11/03/20 12:45	11/19/20 10:04	0.508g/50mL	0.5g/50mL	0.98
A0K0167-36	SE	EPA 6020B	11/03/20 12:45	11/19/20 10:04	0.509g/50mL	0.5g/50mL	0.98
A0K0167-37	SE	EPA 6020B	11/03/20 12:45	11/19/20 10:04	0.511g/50mL	0.5g/50mL	0.98
A0K0167-38	SE	EPA 6020B	11/03/20 12:45	11/19/20 10:04	0.506g/50mL	0.5g/50mL	0.99

Soluble Cyanide by UV Digestion/Gas Diffusion/Amperometric Detection

Prep: ASTM D7511-12mod (S)

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
<u>Batch: 0110270</u>							
A0K0167-06	SE	D7511-12	11/03/20 09:15	11/09/20 09:39	2.5042g/50mL	2.5g/50mL	1.00
A0K0167-07	SE	D7511-12	11/03/20 09:15	11/09/20 09:39	2.5623g/50mL	2.5g/50mL	0.98
A0K0167-08	SE	D7511-12	11/03/20 09:15	11/09/20 09:39	2.5697g/50mL	2.5g/50mL	0.97
A0K0167-09	SE	D7511-12	11/03/20 09:15	11/09/20 09:39	2.5631g/50mL	2.5g/50mL	0.98

Apex Laboratories

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Darwin Thomas, Business Development Director



ANALYTICAL REPORT

AMENDED REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street

Tigard, OR 97223

503-718-2323

ORELAP ID: OR100062

Anchor QEA, LLC 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: US Moorings -- C2, C3, C4 Project Number: [none] Project Manager: Delaney Peterson	Report ID: A0K0167 - 08 16 21 1242
--------------------------------------------------------------------------------	-----------------------------------------------------------------------------------------------------------------	-----------------------------------------------------

SAMPLE PREPARATION INFORMATION

Soluble Cyanide by UV Digestion/Gas Diffusion/Amperometric Detection

Prep: ASTM D7511-12mod (S)					Sample	Default	RL Prep
Lab Number	Matrix	Method	Sampled	Prepared	Initial/Final	Initial/Final	Factor
A0K0167-10	SE	D7511-12	11/03/20 09:15	11/09/20 09:39	2.5493g/50mL	2.5g/50mL	0.98
A0K0167-11RE1	SE	D7511-12	11/03/20 09:15	11/09/20 09:39	2.5296g/50mL	2.5g/50mL	0.99
A0K0167-12	SE	D7511-12	11/03/20 09:15	11/09/20 09:39	2.5438g/50mL	2.5g/50mL	0.98
A0K0167-13RE1	SE	D7511-12	11/03/20 09:15	11/09/20 09:39	2.5575g/50mL	2.5g/50mL	0.98
A0K0167-19RE1	SE	D7511-12	11/03/20 15:50	11/09/20 09:39	2.5443g/50mL	2.5g/50mL	0.98
A0K0167-20RE1	SE	D7511-12	11/03/20 15:50	11/09/20 09:39	2.5601g/50mL	2.5g/50mL	0.98
A0K0167-21	SE	D7511-12	11/03/20 15:50	11/09/20 09:39	2.5966g/50mL	2.5g/50mL	0.96
A0K0167-22RE2	SE	D7511-12	11/03/20 15:50	11/09/20 09:39	2.5845g/50mL	2.5g/50mL	0.97
A0K0167-23RE2	SE	D7511-12	11/03/20 15:50	11/09/20 09:39	2.5217g/50mL	2.5g/50mL	0.99
A0K0167-24	SE	D7511-12	11/03/20 15:50	11/09/20 09:39	2.511g/50mL	2.5g/50mL	1.00
A0K0167-25	SE	D7511-12	11/03/20 15:50	11/09/20 09:39	2.5204g/50mL	2.5g/50mL	0.99
A0K0167-26	SE	D7511-12	11/03/20 15:50	11/09/20 09:39	2.5645g/50mL	2.5g/50mL	0.98
A0K0167-31RE2	SE	D7511-12	11/03/20 12:45	11/09/20 09:39	2.5944g/50mL	2.5g/50mL	0.96
A0K0167-32RE2	SE	D7511-12	11/03/20 12:45	11/09/20 09:39	2.5088g/50mL	2.5g/50mL	1.00
A0K0167-33RE3	SE	D7511-12	11/03/20 12:45	11/09/20 09:39	2.5605g/50mL	2.5g/50mL	0.98
Batch: 0110330							
A0K0167-34RE1	SE	D7511-12	11/03/20 12:45	11/10/20 11:44	2.5871g/50mL	2.5g/50mL	0.97
A0K0167-35RE1	SE	D7511-12	11/03/20 12:45	11/10/20 11:44	2.5411g/50mL	2.5g/50mL	0.98
A0K0167-36RE1	SE	D7511-12	11/03/20 12:45	11/10/20 11:44	2.5814g/50mL	2.5g/50mL	0.97
A0K0167-37RE1	SE	D7511-12	11/03/20 12:45	11/10/20 11:44	2.5962g/50mL	2.5g/50mL	0.96
A0K0167-38	SE	D7511-12	11/03/20 12:45	11/10/20 11:44	2.5981g/50mL	2.5g/50mL	0.96

Demand Parameters

Prep: PSEP-5310B TOC					Sample	Default	RL Prep
Lab Number	Matrix	Method	Sampled	Prepared	Initial/Final	Initial/Final	Factor
Batch: 0110195							
A0K0167-01	SE	PSEP_SM 5310B MOD	11/03/20 09:40	11/06/20 09:17			NA
A0K0167-02	SE	PSEP_SM 5310B MOD	11/03/20 09:40	11/06/20 09:17			NA
A0K0167-03	SE	PSEP_SM 5310B MOD	11/03/20 09:40	11/06/20 09:17			NA
A0K0167-04	SE	PSEP_SM 5310B MOD	11/03/20 09:40	11/06/20 09:17			NA
A0K0167-06	SE	PSEP_SM 5310B MOD	11/03/20 09:15	11/06/20 09:17			NA

Apex Laboratories

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ANALYTICAL REPORT

AMENDED REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street

Tigard, OR 97223

503-718-2323

ORELAP ID: OR100062

Anchor QEA, LLC

6720 SW Macadam Ave. Suite 125

Portland, OR 97219

Project: **US Moorings -- C2, C3, C4**

Project Number: [none]

Project Manager: **Delaney Peterson**

Report ID:

A0K0167 - 08 16 21 1242

SAMPLE PREPARATION INFORMATION

Demand Parameters

Prep: PSEP-5310B TOC

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
A0K0167-07	SE	PSEP_SM 5310B MOD	11/03/20 09:15	11/06/20 09:17			NA
A0K0167-08	SE	PSEP_SM 5310B MOD	11/03/20 09:15	11/06/20 09:17			NA
A0K0167-09	SE	PSEP_SM 5310B MOD	11/03/20 09:15	11/06/20 09:17			NA
A0K0167-10	SE	PSEP_SM 5310B MOD	11/03/20 09:15	11/06/20 09:17			NA
A0K0167-14	SE	PSEP_SM 5310B MOD	11/03/20 16:30	11/06/20 09:17			NA
A0K0167-15	SE	PSEP_SM 5310B MOD	11/03/20 16:30	11/06/20 09:17			NA
<u>Batch: 0110197</u>							
A0K0167-16	SE	PSEP_SM 5310B MOD	11/03/20 16:30	11/06/20 09:18			NA
A0K0167-17	SE	PSEP_SM 5310B MOD	11/03/20 16:30	11/06/20 09:18			NA
A0K0167-18	SE	PSEP_SM 5310B MOD	11/03/20 16:30	11/06/20 09:18			NA
A0K0167-19	SE	PSEP_SM 5310B MOD	11/03/20 15:50	11/06/20 09:18			NA
A0K0167-20	SE	PSEP_SM 5310B MOD	11/03/20 15:50	11/06/20 09:18			NA
A0K0167-24	SE	PSEP_SM 5310B MOD	11/03/20 15:50	11/06/20 09:18			NA
A0K0167-25	SE	PSEP_SM 5310B MOD	11/03/20 15:50	11/06/20 09:18			NA
A0K0167-26	SE	PSEP_SM 5310B MOD	11/03/20 15:50	11/06/20 09:18			NA
A0K0167-27	SE	PSEP_SM 5310B MOD	11/03/20 13:30	11/06/20 09:18			NA
A0K0167-28	SE	PSEP_SM 5310B MOD	11/03/20 13:30	11/06/20 09:18			NA
A0K0167-29	SE	PSEP_SM 5310B MOD	11/03/20 13:30	11/06/20 09:18			NA
A0K0167-30	SE	PSEP_SM 5310B MOD	11/03/20 13:30	11/06/20 09:18			NA
A0K0167-31	SE	PSEP_SM 5310B MOD	11/03/20 12:45	11/06/20 09:18			NA
A0K0167-32	SE	PSEP_SM 5310B MOD	11/03/20 12:45	11/06/20 09:18			NA

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Darwin Thomas, Business Development Director



ANALYTICAL REPORT

AMENDED REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062

Anchor QEA, LLC 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: US Moorings -- C2, C3, C4 Project Number: [none] Project Manager: Delaney Peterson	Report ID: A0K0167 - 08 16 21 1242
--------------------------------------------------------------------------------	-----------------------------------------------------------------------------------------------------------------	-----------------------------------------------------

SAMPLE PREPARATION INFORMATION

Demand Parameters

Prep: PSEP-5310B TOC

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
A0K0167-33	SE	PSEP_SM 5310B MOD	11/03/20 12:45	11/06/20 09:18			NA
A0K0167-34	SE	PSEP_SM 5310B MOD	11/03/20 12:45	11/06/20 09:18			NA
A0K0167-35	SE	PSEP_SM 5310B MOD	11/03/20 12:45	11/06/20 09:18			NA
A0K0167-36	SE	PSEP_SM 5310B MOD	11/03/20 12:45	11/06/20 09:18			NA

Solid and Moisture Determinations

Prep: Total Solids (SM2540G/PSEP)

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
<u>Batch: 0110192</u>							
A0K0167-01	SE	SM 2540 G	11/03/20 09:40	11/06/20 09:06			NA
A0K0167-02	SE	SM 2540 G	11/03/20 09:40	11/06/20 09:06			NA
A0K0167-03	SE	SM 2540 G	11/03/20 09:40	11/06/20 09:06			NA
A0K0167-04	SE	SM 2540 G	11/03/20 09:40	11/06/20 09:06			NA
A0K0167-06	SE	SM 2540 G	11/03/20 09:15	11/06/20 09:06			NA
A0K0167-07	SE	SM 2540 G	11/03/20 09:15	11/06/20 09:06			NA
A0K0167-08	SE	SM 2540 G	11/03/20 09:15	11/06/20 09:06			NA
A0K0167-09	SE	SM 2540 G	11/03/20 09:15	11/06/20 09:06			NA
A0K0167-10	SE	SM 2540 G	11/03/20 09:15	11/06/20 09:06			NA
A0K0167-11	SE	SM 2540 G	11/03/20 09:15	11/06/20 09:06			NA
A0K0167-12	SE	SM 2540 G	11/03/20 09:15	11/06/20 09:06			NA
A0K0167-13	SE	SM 2540 G	11/03/20 09:15	11/06/20 09:06			NA
<u>Batch: 0110193</u>							
A0K0167-14	SE	SM 2540 G	11/03/20 16:30	11/06/20 09:13			NA
A0K0167-15	SE	SM 2540 G	11/03/20 16:30	11/06/20 09:13			NA
A0K0167-16	SE	SM 2540 G	11/03/20 16:30	11/06/20 09:13			NA
A0K0167-17	SE	SM 2540 G	11/03/20 16:30	11/06/20 09:13			NA
A0K0167-18	SE	SM 2540 G	11/03/20 16:30	11/06/20 09:13			NA
A0K0167-20	SE	SM 2540 G	11/03/20 15:50	11/06/20 09:13			NA
A0K0167-21	SE	SM 2540 G	11/03/20 15:50	11/06/20 09:13			NA
A0K0167-22	SE	SM 2540 G	11/03/20 15:50	11/06/20 09:13			NA
A0K0167-23	SE	SM 2540 G	11/03/20 15:50	11/06/20 09:13			NA
A0K0167-24	SE	SM 2540 G	11/03/20 15:50	11/06/20 09:13			NA
A0K0167-25	SE	SM 2540 G	11/03/20 15:50	11/06/20 09:13			NA

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Darwin Thomas, Business Development Director



ANALYTICAL REPORT

AMENDED REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street
 Tigard, OR 97223
 503-718-2323
 ORELAP ID: OR100062

Anchor QEA, LLC 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: US Moorings -- C2, C3, C4 Project Number: [none] Project Manager: Delaney Peterson	Report ID: A0K0167 - 08 16 21 1242
--------------------------------------------------------------------------------	-----------------------------------------------------------------------------------------------------------------	-----------------------------------------------------

SAMPLE PREPARATION INFORMATION

Solid and Moisture Determinations

Prep: Total Solids (SM2540G/PSEP)

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
A0K0167-26	SE	SM 2540 G	11/03/20 15:50	11/06/20 09:13			NA
A0K0167-27	SE	SM 2540 G	11/03/20 13:30	11/06/20 09:13			NA
A0K0167-28	SE	SM 2540 G	11/03/20 13:30	11/06/20 09:13			NA
A0K0167-29	SE	SM 2540 G	11/03/20 13:30	11/06/20 09:13			NA
A0K0167-30	SE	SM 2540 G	11/03/20 13:30	11/06/20 09:13			NA
A0K0167-31	SE	SM 2540 G	11/03/20 12:45	11/06/20 09:13			NA
A0K0167-33	SE	SM 2540 G	11/03/20 12:45	11/06/20 09:13			NA
<u>Batch: 0110264</u>							
A0K0167-34	SE	SM 2540 G	11/03/20 12:45	11/09/20 09:10			NA
A0K0167-35	SE	SM 2540 G	11/03/20 12:45	11/09/20 09:10			NA
A0K0167-36	SE	SM 2540 G	11/03/20 12:45	11/09/20 09:10			NA
A0K0167-37	SE	SM 2540 G	11/03/20 12:45	11/09/20 09:10			NA
A0K0167-38	SE	SM 2540 G	11/03/20 12:45	11/09/20 09:10			NA
<u>Batch: 0110397</u>							
A0K0167-19RE1	SE	SM 2540 G	11/03/20 15:50	11/11/20 11:23			NA
A0K0167-32RE1	SE	SM 2540 G	11/03/20 12:45	11/11/20 11:23			NA

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ANALYTICAL REPORT

AMENDED REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062

Anchor QEA, LLC

6720 SW Macadam Ave. Suite 125
Portland, OR 97219

Project: US Moorings -- C2, C3, C4

Project Number: [none]

Project Manager: Delaney Peterson

Report ID:

A0K0167 - 08 16 21 1242

QUALIFIER DEFINITIONS

Client Sample and Quality Control (QC) Sample Qualifier Definitions:

Apex Laboratories

- AMEND** Result for this sample or analyte has been amended from the original report. See Case Narrative for details.
- C-05** Extract has undergone a GPC (Gel-Permeation Chromatography) cleanup per EPA 3640A. Reporting levels may be raised due to dilution necessary for cleanup. Sample Final Volume includes the GPC dilution factor, see the Prep page for details.
- C-07** Extract has undergone Sulfuric Acid Cleanup by EPA 3665A, Sulfur Cleanup by EPA 3660B, and Florisil Cleanup by EPA 3620B in order to minimize matrix interference.
- H-08** Sample hold time extended by freezing at -18 degrees C. Total time at 4 degrees C was less than the standard hold time.
- J** Estimated Result. Result detected below the lowest point of the calibration curve, but above the specified MDL.
- M-05** Estimated results. Peak separation for structural isomers is insufficient for accurate quantification.
- P-11** Result estimated. Secondary column confirmation does not meet method criteria due to matrix interference.
- P-12** Result estimated due to the presence of multiple PCB Aroclors and/or PCB congeners not defined as Aroclors.
- Q-01** Spike recovery and/or RPD is outside acceptance limits.
- Q-03** Spike recovery and/or RPD is outside control limits due to the high concentration of analyte present in the sample.
- Q-04** Spike recovery and/or RPD is outside control limits due to a non-homogeneous sample matrix.
- Q-05** Analyses are not controlled on RPD values from sample and duplicate concentrations that are below 5 times the reporting level.
- Q-11** Spike recovery cannot be accurately quantified due to sample dilution required for high analyte concentration and/or matrix interference.
- Q-16** Reanalysis of an original Batch QC sample.
- Q-17** RPD between original and duplicate sample is outside of established control limits.
- Q-39** Results for sample duplicate are significantly higher than the sample results. See duplicate results in QC section of the report.
- Q-41** Estimated Results. Recovery of Continuing Calibration Verification sample above upper control limit for this analyte. Results are likely biased high.
- Q-42** Matrix Spike and/or Duplicate analysis was performed on this sample. % Recovery or RPD for this analyte is outside laboratory control limits. (Refer to the QC Section of Analytical Report.)
- Q-54** Daily Continuing Calibration Verification recovery for this analyte failed the +/-20% criteria listed in EPA method 8260/8270 by +7%. The results are reported as Estimated Values.
- Q-54a** Daily Continuing Calibration Verification recovery for this analyte failed the +/-20% criteria listed in EPA method 8260/8270 by -12%. The results are reported as Estimated Values.
- Q-54b** Daily Continuing Calibration Verification recovery for this analyte failed the +/-20% criteria listed in EPA method 8260/8270 by -17%. The results are reported as Estimated Values.
- Q-54c** Daily Continuing Calibration Verification recovery for this analyte failed the +/-20% criteria listed in EPA method 8260/8270 by -18%. The results are reported as Estimated Values.

Apex Laboratories

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Darwin Thomas, Business Development Director



ANALYTICAL REPORT

AMENDED REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062

Anchor QEA, LLC 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: US Moorings -- C2, C3, C4 Project Number: [none] Project Manager: Delaney Peterson	Report ID: A0K0167 - 08 16 21 1242
--------------------------------------------------------------------------------	-----------------------------------------------------------------------------------------------------------------	-----------------------------------------------------

- Q-54d** Daily Continuing Calibration Verification recovery for this analyte failed the +/-20% criteria listed in EPA method 8260/8270 by -19%. The results are reported as Estimated Values.
- Q-55** Daily CCV/LCS recovery for this analyte was below the +/-20% criteria listed in EPA 8260, however there is adequate sensitivity to ensure detection at the reporting level.
- Q-56** Daily CCV/LCS recovery for this analyte was above the +/-20% criteria listed in EPA 8260
- R-02** The Reporting Limit for this analyte has been raised to account for interference from coeluting organic compounds present in the sample.
- R-04** Reporting levels elevated due to preparation and/or analytical dilution necessary for analysis.
- S-03** Reextraction and analysis, or analysis of laboratory duplicate, confirms surrogate failure due to sample matrix effect.
- S-05** Surrogate recovery is estimated due to sample dilution required for high analyte concentration and/or matrix interference.
- S-06** Surrogate recovery is outside of established control limits.

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ANALYTICAL REPORT

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Apex Laboratories, LLC

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Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062

Anchor QEA, LLC 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: US Moorings -- C2, C3, C4 Project Number: [none] Project Manager: Delaney Peterson	Report ID: A0K0167 - 08 16 21 1242
--------------------------------------------------------------------------------	-----------------------------------------------------------------------------------------------------------------	----------------------------------------------

REPORTING NOTES AND CONVENTIONS:

Abbreviations:

- DET Analyte DETECTED at or above the detection or reporting limit.
- ND Analyte NOT DETECTED at or above the detection or reporting limit.
- NR Result Not Reported
- RPD Relative Percent Difference. RPDs for Matrix Spikes and Matrix Spike Duplicates are based on concentration, not recovery.

Detection Limits: Limit of Detection (LOD)

Limits of Detection (LODs) are normally set at a level of one half the validated Limit of Quantitation (LOQ).
If no value is listed ('-----'), then the data has not been evaluated below the Reporting Limit.

Reporting Limits: Limit of Quantitation (LOQ)

Validated Limits of Quantitation (LOQs) are reported as the Reporting Limits for all analyses where the LOQ, MRL, PQL or CRL are requested. The LOQ represents a level at or above the low point of the calibration curve, that has been validated according to Apex Laboratories' comprehensive LOQ policies and procedures.

Reporting Conventions:

- Basis:** Results for soil samples are generally reported on a 100% dry weight basis. The Result Basis is listed following the units as "dry", "wet", or "" (blank) designation.
 - "dry" Sample results and Reporting Limits are reported on a dry weight basis. (i.e. "ug/kg dry")
See Percent Solids section for details of dry weight analysis.
 - "wet" Sample results and Reporting Limits for this analysis are normally dry weight corrected, but have not been modified in this case.
 - "" Results without 'wet' or 'dry' designation are not normally dry weight corrected. These results are considered 'As Received'.

QC Source:

In cases where there is insufficient sample provided for Sample Duplicates and/or Matrix Spikes, a Lab Control Sample Duplicate (LCS Dup) may be analyzed to demonstrate accuracy and precision of the extraction batch.

Non-Client Batch QC Samples (Duplicates and Matrix Spike/Duplicates) may not be included in this report. Please request a Full QC report if this data is required.

Miscellaneous Notes:

- " --- " QC results are not applicable. For example, % Recoveries for Blanks and Duplicates, % RPD for Blanks, Blank Spikes and Matrix Spikes, etc.
- " *** " Used to indicate a possible discrepancy with the Sample and Sample Duplicate results when the %RPD is not available. In this case, either the Sample or the Sample Duplicate has a reportable result for this analyte, while the other is Non Detect (ND).

Blanks:

Standard practice is to evaluate the results from Blank QC Samples down to a level equal to 1/2 the Reporting Limit (RL).
-For Blank hits falling between 1/2 the RL and the RL (J flagged hits), the associated sample and QC data will receive a 'B-02' qualifier.
-For Blank hits above the RL, the associated sample and QC data will receive a 'B' qualifier, per Apex Laboratories' Blank Policy.
For further details, please request a copy of this document.

Apex Laboratories

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Darwin Thomas, Business Development Director



ANALYTICAL REPORT

AMENDED REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062

Table with 3 columns: Client (Anchor QEA, LLC), Project (US Moorings -- C2, C3, C4), and Report ID (A0K0167 - 08 16 21 1242)

REPORTING NOTES AND CONVENTIONS (Cont.):

Blanks (Cont.):

Sample results flagged with a 'B' or 'B-02' qualifier are potentially biased high if the sample results are less than ten times the level found in the blank for inorganic analyses, or less than five times the level found in the blank for organic analyses.

'B' and 'B-02' qualifications are only applied to sample results detected above the Reporting Level.

Preparation Notes:

Mixed Matrix Samples:

Water Samples:

Water samples containing significant amounts of sediment are decanted or separated prior to extraction, and only the water portion analyzed, unless otherwise directed by the client.

Soil and Sediment Samples:

Soil and Sediment samples containing significant amounts of water are decanted prior to extraction, and only the solid portion analyzed, unless otherwise directed by the client.

Sampling and Preservation Notes:

Certain regulatory programs, such as National Pollutant Discharge Elimination System (NPDES), require that activities such as sample filtration (for dissolved metals, orthophosphate, hexavalent chromium, etc.) and testing of short hold analytes (pH, Dissolved Oxygen, etc.) be performed in the field (on-site) within a short time window. In addition, sample matrix spikes are required for some analyses, and sufficient volume must be provided, and billable site specific QC requested, if this is required. All regulatory permits should be reviewed to ensure that these requirements are being met.

Data users should be aware of which regulations pertain to the samples they submit for testing. If related sample collection activities are not approved for a particular regulatory program, results should be considered estimates. Apex Laboratories will qualify these analytes according to the most stringent requirements, however results for samples that are for non-regulatory purposes may be acceptable.

Samples that have been filtered and preserved at Apex Laboratories per client request are listed in the preparation section of the report with the date and time of filtration listed.

Apex Laboratories maintains detailed records on sample receipt, including client label verification, cooler temperature, sample preservation, hold time compliance and field filtration. Data is qualified as necessary, and the lack of qualification indicates compliance with required parameters.

Apex Laboratories

Signature of Darwin Thomas

Darwin Thomas, Business Development Director

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ANALYTICAL REPORT

AMENDED REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062

Anchor QEA, LLC 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: US Moorings -- C2, C3, C4 Project Number: [none] Project Manager: Delaney Peterson	Report ID: A0K0167 - 08 16 21 1242
--------------------------------------------------------------------------------	-----------------------------------------------------------------------------------------------------------------	----------------------------------------------

LABORATORY ACCREDITATION INFORMATION

ORELAP Certification ID: OR100062 (Primary Accreditation) -
EPA ID: OR01039

All methods and analytes reported from work performed at Apex Laboratories are included on Apex Laboratories' ORELAP Scope of Certification, with the exception of any analyte(s) listed below:

Apex Laboratories

Matrix	Analysis	TNI_ID	Analyte	TNI_ID	Accreditation
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All reported analytes are included in Apex Laboratories' current ORELAP scope.

Secondary Accreditations

Apex Laboratories also maintains reciprocal accreditation with non-TNI states (Washington DOE), as well as other state specific accreditations not listed here.

Subcontract Laboratory Accreditations

Subcontracted data falls outside of Apex Laboratories' Scope of Accreditation. Please see the Subcontract Laboratory report for full details, or contact your Project Manager for more information.

Field Testing Parameters

Results for Field Tested data are provided by the client or sampler, and fall outside of Apex Laboratories' Scope of Accreditation.

Apex Laboratories

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Darwin Thomas, Business Development Director



ANALYTICAL REPORT

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Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062

Anchor QEA, LLC
6720 SW Macadam Ave. Suite 125
Portland, OR 97219

Project: **US Moorings – C2, C3, C4**
Project Number: [none]
Project Manager: **Delaney Peterson**

Report ID:
A0K0167 - 08 16 21 1242

ENVIRONMENTAL SAMPLE CHAIN OF CUSTODY

Anchor QEA
1201 3rd Avenue, Suite 2602, Seattle, WA 98101

POC: **Delaney Peterson (360-715-2707)**
1605 Cornwell Avenue, Bellingham, WA 98225

Project: **GascoSiltionic: US Moorings**
Client: **NW Natural**

COC ID: **A0K0167**
APEX-20201103-171958
Sample Custodian: **CO**
Lab: **Apex**

COC Sample Number	Field Sample ID	Sample Type	Matrix	Collected Date	Time	Lab #	Containers	Lab QC	Test Request	Method	TAT**	Preservative
001	USMPDI-038SC-A-11-12-201103	N	SE	11/03/2020	9:40	1	1		TOC	SM5310B	30	4°C
									LR Pesticides (QAPP C-2, C-3, and C-4)	SW8081B	30	4°C
									PCB Aroclors	SW8082A	30	4°C
									Total solids (APEX)	SM2540G	30	4°C
002	USMPDI-038SC-A-12-13-201103	N	SE	11/03/2020	9:40	1	1		TOC	SM5310B	30	4°C
									LR Pesticides (QAPP C-2, C-3, and C-4)	SW8081B	30	4°C
									PAH	SW8270E	30	4°C
									PCB Aroclors	SW8082A	30	4°C
003	USMPDI-038SC-A-13-14-201103	N	SE	11/03/2020	9:40	1	1		TOC	SM5310B	30	4°C
									LR Pesticides (QAPP C-2, C-3, and C-4)	SW8081B	30	4°C
									PAH	SW8270E	30	4°C
									PCB Aroclors	SW8082A	30	4°C
004	USMPDI-038SC-A-14-15-201103	N	SE	11/03/2020	9:40	1	1		TOC	SM5310B	30	4°C
									LR Pesticides (QAPP C-2, C-3, and C-4)	SW8081B	30	4°C
									PAH	SW8270E	30	4°C
									PCB Aroclors	SW8082A	30	4°C

Comment:

Requested By	Signature	Print Name	Company	Date/Time
Requested By		Eli Sander	Apex	11/14/20 10:15
Requested By		Delaney Peterson	Anchor QEA	11/17/20 10:55

*Lab QC Requested for sample when box is checked ** TAT = Turn-Around Time in DAYS # POC = Project Point of Contact

Apex Laboratories

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Darwin Thomas, Business Development Director



ANALYTICAL REPORT

AMENDED REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062

Anchor QEA, LLC 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: US Moorings – C2, C3, C4 Project Number: [none] Project Manager: Delaney Peterson	Report ID: A0K0167 - 08 16 21 1242
--------------------------------------------------------------------------------	----------------------------------------------------------------------------------------------------------------	-----------------------------------------------------

ENVIRONMENTAL SAMPLE CHAIN OF CUSTODY

ANCHOR QEA
3201 SW Avenue, Suite 200, Seaside, WA 98101

POC: Delaney Peterson (360-715-2707)
1605 Cornwell Avenue, Bellingham, WA 98225

Project: GascoSilttronic: US Moorings
Client: NW Natural

COC ID: APEX-20201103-171958
Sample Custodian: CO
Lab: Apex

COC Sample Number	Field Sample ID	Sample Type	Matrix	Collected Date	Time	Lab #	Containers	Lab QC	Test Request	Method	TAT**	Preservative
004	USMPDI-0985C-A-14-15-201103	N	SE	11/03/2020	9:40	1	1	<input type="checkbox"/>	Total solids (APEX)	SM2540G	30	4°C
005	SC-TB-2011030952	TB	WQ	11/03/2020	9:52	2	2	<input type="checkbox"/>	VOCs (QAPP C-4)	SW8260C	30	
006	USMPDI-0985C-B-02-02-201103	N	SE	11/03/2020	9:15	4	4	<input type="checkbox"/>	Cyanide	D7111-12	30	4°C
									TOC	SM5310B	30	4°C
									LR Pesticides (QAPP C-2, C-3, and C-4)	SW8081B	30	4°C
									Metals (QAPP C-4)	SM6020A	30	4°C
									PAH	SW8270E	30	4°C
									PCB Aroclors	SW8082A	30	4°C
									SVOCs (QAPP C-4)	SW8270D	30	4°C
									Total solids (APEX)	SM2540G	30	4°C
									VOCs (QAPP C-4)	SW8260C	30	MeOH
007	USMPDI-0985C-B-02-04-201103	N	SE	11/03/2020	9:15	4	4	<input type="checkbox"/>	Cyanide	D7111-12	30	4°C
									TOC	SM5310B	30	4°C
									LR Pesticides (QAPP C-2, C-3, and C-4)	SW8081B	30	4°C
									Metals (QAPP C-4)	SM6020A	30	4°C
									PCB Aroclors	SW8082A	30	4°C
									SVOCs (QAPP C-4)	SW8270D	30	4°C
									Total solids (APEX)	SM2540G	30	4°C

Comment:

Requested By: <i>[Signature]</i>	Retained By: <i>[Signature]</i>	Released By: <i>[Signature]</i>
Print Name: COELES	Print Name: COELES	Print Name: COELES
Company: APEX	Company: APEX	Company: APEX
Date/Time: 11/12/20 10:05	Date/Time: 11/12/20 10:15	Date/Time: 11/12/20 10:15

Date Printed: 11/3/2020

* Lab QC Requested for sample when box is checked ** TAT = Turn-Around Time in DAYS # POC = Project Point of Contact

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Apex Laboratories

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Darwin Thomas

Darwin Thomas, Business Development Director



ANALYTICAL REPORT

AMENDED REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062

Anchor QEA, LLC Project: **US Moorings – C2, C3, C4**
6720 SW Macadam Ave. Suite 125 Project Number: [none]
Portland, OR 97219 Project Manager: **Delaney Peterson** **Report ID:**
A0K0167 - 08 16 21 1242

ANCHOR QEA
1201 3rd Avenue, Suite 200, Seattle, WA 98101

POC: Delaney Peterson (360-715-2707)
1605 Cornwell Avenue, Bellingham, WA 98225

Client: NW Natural

Project: Gasco/Siltronic: US Moorings

Lab: Apex

COC ID: APEX-20201103-171958

Sample Custodian: CO

ENVIRONMENTAL SAMPLE CHAIN OF CUSTODY

A0K0167

COC Sample Number	Field Sample ID	Sample Type	Matrix	Collected Date	Containers	Lab #	OC*	Test Request	Method	TAT**	Preservative
007	USMPDI-0385C-B-02-04-201103	N	SE	11/03/2020 9:15	4			VOCs (QAPP C-4)	SW8260C	30	MeOH
008	USMPDI-0385C-B-04-06-201103	N	SE	11/03/2020 9:15	4			Cyanide	D7511-12	30	4°C
								TOC	SM5310B	30	4°C
								LR Pesticides (QAPP C-2, C-3, and C-4)	SW8081B	30	4°C
								Metals (QAPP C-4)	SW6020A	30	4°C
								PCB Aroclors	SW8082A	30	4°C
								SVOCs (QAPP C-4)	SW8270D	30	4°C
								Total solids (APEX)	SM2540G	30	4°C
								VOCs (QAPP C-4)	SW8260C	30	MeOH
009	USMPDI-0385C-B-06-08-201103	N	SE	11/03/2020 9:15	4			Cyanide	D7511-12	30	4°C
								TOC	SM5310B	30	4°C
								LR Pesticides (QAPP C-2, C-3, and C-4)	SW8081B	30	4°C
								Metals (QAPP C-4)	SW6020A	30	4°C
								PCB Aroclors	SW8082A	30	4°C
								SVOCs (QAPP C-4)	SW8270D	30	4°C
								Total solids (APEX)	SM2540G	30	4°C
								VOCs (QAPP C-4)	SW8260C	30	MeOH
010	USMPDI-0385C-B-08-10-201103	N	SE	11/03/2020 9:15	4			Cyanide	D7511-12	30	4°C

Comment:

Requested By	Signature	Print Name	Company	Date/Time	Relinquished By	Signature	Print Name	Company	Date/Time
Delaney Peterson		Delaney Peterson	Anchor QEA	11/17/20 1005	Delaney Peterson		Delaney Peterson	Anchor QEA	11/17/20 1015

Date Printed: 11/3/2020

* Lab OC Requested for sample when box is checked ** TAT = Turn Around Time in DAYS # POC = Project Point of Contact

Page 3 of 13

Apex Laboratories

Darwin Thomas, Business Development Director

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ANALYTICAL REPORT

AMENDED REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062

Anchor QEA, LLC 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: US Moorings – C2, C3, C4 Project Number: [none] Project Manager: Delaney Peterson	Report ID: A0K0167 - 08 16 21 1242
--------------------------------------------------------------------------------	----------------------------------------------------------------------------------------------------------------	-----------------------------------------------------

ANCHOR QEA
1201 3rd Avenue, Suite 2000, Seattle, WA 98101

ENVIRONMENTAL SAMPLE CHAIN OF CUSTODY

POC: Delaney Peterson (360-715-2707)
1605 Cornwell Avenue, Bellingham, WA 98225

Project: GascoSilttronic: US Moorings
Client: NW Natural

A0K0167
APEX-20201103-171958

COC ID: _____
Sample Custodian: CO
Lab: Apex

COC Sample Number	Field Sample ID	Sample Type	Matrix	Collected Date	Time	Containers	#	Lab QC	Test Request	Method	TAT**	Preservative
010	USMPDI-0985C-B-08-10-20103	N	SE	11/03/2020	9:15	4		<input type="checkbox"/>	TOC	SM6310B	30	4°C
									LR Pesticides (QAPP C-2, C-3, and C-4)	SW8081B	30	4°C
									Metals (QAPP C-4)	SW6020A	30	4°C
									PCB Aroclors	SW8082A	30	4°C
									SVOCs (QAPP C-4)	SW8270D	30	4°C
									Total solids (APEX)	SM2540G	30	4°C
									VOCs (QAPP C-4)	SW8260C	30	MeOH
011	USMPDI-0985C-B-10-12-20103	N	SE	11/03/2020	9:15	3		<input type="checkbox"/>	Cyanide	D7511-12	30	4°C
									Metals (QAPP C-4)	SW6020A	30	4°C
									SVOCs (QAPP C-4)	SW8270D	30	4°C
									Total solids (APEX)	SM2540G	30	4°C
									VOCs (QAPP C-4)	SW8260C	30	MeOH
012	USMPDI-0985C-B-12-14-20103	N	SE	11/03/2020	9:15	3		<input type="checkbox"/>	Cyanide	D7511-12	30	4°C
									Metals (QAPP C-4)	SW6020A	30	4°C
									SVOCs (QAPP C-4)	SW8270D	30	4°C
									Total solids (APEX)	SM2540G	30	4°C
									VOCs (QAPP C-4)	SW8260C	30	MeOH
013	USMPDI-0985C-B-14-15-20103	N	SE	11/03/2020	9:15	3		<input type="checkbox"/>	Cyanide	D7511-12	30	4°C

Comment:

Requested By	Signature	Print Name	Company	Date/Time	Requested By	Signature	Print Name	Company	Date/Time
		Eric Smith	APEX	11/4/20 10:15			Eric Smith	APEX	11/4/20 10:15
		COLEMAN	APEX	11/4/20 10:05			COLEMAN	APEX	11/4/20 10:05

* Lab. QC Requested for sample when box is checked ** TAT = Turn Around Time in DAYS # POC = Project Point of Contact

Apex Laboratories

Darwin Thomas, Business Development Director

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ANALYTICAL REPORT

AMENDED REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062

Anchor QEA, LLC 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: US Moorings – C2, C3, C4 Project Number: [none] Project Manager: Delaney Peterson	Report ID: A0K0167 - 08 16 21 1242
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ANCHOR QEA
1201 3rd Avenue, South 2600, Seattle, WA 98101

ENVIRONMENTAL SAMPLE CHAIN OF CUSTODY

A0K0167

COC ID: APEX-20201103-171958
Sample Custodian: CO
Lab: Apex

POC: **Delaney Peterson (360-715-2707)** Project: **Gasco/Siltronic: US Moorings** Client: **NW Natural**
1605 Cornwell Avenue, Bellingham, WA 98225

COC Sample Number	Field Sample ID	Sample Type	Matrix	Collected Date	Time	Containers	Lab #	OC*	Test Request	Method	TAT**	Preservative
013	USMPDI-046SC-B-14-15-3-201103	N	SE	11/03/2020	9:15	3		<input type="checkbox"/>	Metals (QAPP C-4) SVOCs (QAPP C-4) Total solids (APEX) VOCs (QAPP C-4)	SW6020A SW8270D SM2540G SW8280C	30 30 30 30	4°C 4°C 4°C MeqH
014	USMPDI-046SC-A-05-06-201103	N	SE	11/03/2020	16:30	1		<input type="checkbox"/>	TOC LR Pesticides (QAPP C-2, C-3, and C-4) PCB Aroclors Total solids (APEX)	SM5310B SW8081B SW8082A SM2540G	30 30 30 30	4°C 4°C 4°C 4°C
015	USMPDI-046SC-A-06-07-201103	N	SE	11/03/2020	16:30	1		<input type="checkbox"/>	TOC LR Pesticides (QAPP C-2, C-3, and C-4) PAH PCB Aroclors Total solids (APEX)	SM5310B SW8081B SW8270E SW8082A SM2540G	30 30 30 30 30	4°C 4°C 4°C 4°C 4°C
016	USMPDI-046SC-A-07-08-201103	N	SE	11/03/2020	16:30	1		<input type="checkbox"/>	TOC LR Pesticides (QAPP C-2, C-3, and C-4) PAH PCB Aroclors Total solids (APEX)	SM5310B SW8081B SW8270E SW8082A SM2540G	30 30 30 30 30	4°C 4°C 4°C 4°C 4°C

Signature: *[Signature]* Signature: *[Signature]*
Print Name: **DELANEY PETERSON** Print Name: **DELANEY PETERSON**
Company: **APEX** Company: **APEX**
Date/Time: **11/17/20 10:05** Date/Time: **11/17/20 10:15**

Date Printed: 11/13/2020

* Lab OC Requested for sample when box is checked ** TAT = Turn Around Time in DAYS # POC = Project Point of Contact

Apex Laboratories

Delaney Peterson

Darwin Thomas, Business Development Director

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ANALYTICAL REPORT

AMENDED REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062

Anchor QEA, LLC 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: US Moorings – C2, C3, C4 Project Number: [none] Project Manager: Delaney Peterson	Report ID: A0K0167 - 08 16 21 1242
--------------------------------------------------------------------------------	----------------------------------------------------------------------------------------------------------------	-----------------------------------------------------

ANCHOR QEA
1201 3rd Avenue, Suite 2000, Seattle, WA 98101

ENVIRONMENTAL SAMPLE CHAIN OF CUSTODY

POC: **Delaney Peterson (360-715-2707)**
1605 Cornwell Avenue, Bellingham, WA 98225

Project: **Gasco/Sitronic US Moorings**
Client: **NW Natural**

COC ID: **APEX-20201103-171958**
Sample Custodian: **CO Apex**
Lab:

COC Sample Number	Field Sample ID	Sample Type	Matrix	Collected Date	Time	Containers	Lab OC*	Test Request	Method	TAT**	Preservative
017	USMPDI-0405C-A-08-09-201103	N	SE	11/03/2020	16:30	1	<input type="checkbox"/>	TOC LR Pesticides (QAPP C-2, C-3, and C-4) PAH PCB Aroclors Total solids (APEX)	SM5310B SW8081B SW8270E SW8082A SM2540G	30 30 30 30 30	4°C 4°C 4°C 4°C 4°C
018	USMPDI-0405C-A-08-09-201103	FD	SE	11/03/2020		1	<input type="checkbox"/>	TOC LR Pesticides (QAPP C-2, C-3, and C-4) PAH PCB Aroclors Total solids (APEX)	SM5310B SW8081B SW8270E SW8082A SM2540G	30 30 30 30 30	4°C 4°C 4°C 4°C 4°C
019	USMPDI-0405C-B-00-02-201103	N	SE	11/03/2020	15:50	4	<input type="checkbox"/>	Cyanide TOC LR Pesticides (QAPP C-2, C-3, and C-4) Metals (QAPP C-4) PAH PCB Aroclors SVOCS (QAPP C-4) Total solids (APEX) VOCs (QAPP C-4)	DT511-12 SM5310B SW8081B SW6020A SW8270E SW8082A SW8270D SM2540G SW8260C	30 30 30 30 30 30 30 30	4°C 4°C 4°C 4°C 4°C 4°C 4°C MeOH

Comment:

Requested By: <i>[Signature]</i>	Requested By: <i>[Signature]</i>	Requested By: <i>[Signature]</i>
Signature: <i>[Signature]</i>	Signature: <i>[Signature]</i>	Signature: <i>[Signature]</i>
Print Name: ELI JOYND	Print Name: ELI JOYND	Print Name: ELI JOYND
Company: APEX	Company: APEX	Company: APEX
Date/Time: 11/4/20 10:05	Date/Time: 11/4/20 10:15	Date/Time: 11/4/20 10:15

Date Printed: 11/3/2020

Apex Laboratories

Darwin Thomas

Darwin Thomas, Business Development Director

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ANALYTICAL REPORT

AMENDED REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062

Anchor QEA, LLC 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: US Moorings – C2, C3, C4 Project Number: [none] Project Manager: Delaney Peterson	Report ID: A0K0167 - 08 16 21 1242
--------------------------------------------------------------------------------	----------------------------------------------------------------------------------------------------------------	----------------------------------------------

ANCHOR QEA
1201 3rd Avenue, Suite 2000, Seattle, WA 98101

POC: Delaney Peterson (360-715-2707)
1605 Cornwell Avenue, Bellingham, WA 98225

Project: GascoSilttronic: US Moorings
Client: NW Natural

ENVIRONMENTAL SAMPLE CHAIN OF CUSTODY

A0K0167

COC ID: APEX-20201103-171958
Sample Custodian: CO
Lab: Apex

Field Sample ID: USMPDI-040SC-B-02-04-201103

Matrix: N SE

Collected Date: 11/03/2020 15:50

Containers: 4

Lab # OC:

COC Sample Number	Field Sample ID	Matrix	Collected Date	Containers	Lab # OC	Test Request	Method	TAT**	Preservative
020	USMPDI-040SC-B-02-04-201103	N SE	11/03/2020 15:50	4	<input type="checkbox"/>	Cyanide TOC LR Pesticides (QAPP C-2, C-3, and C-4) Metals (QAPP C-4) PCB Aroclors SVOCs (QAPP C-4) Total solids (APEX) VOCs (QAPP C-4)	D7511-12 SM5310B SW8081B SW8020A SW8082A SW8270D SM2540G SW8260C	30 30 30 30 30 30 30 30	4°C 4°C 4°C 4°C 4°C 4°C 4°C MeOH
021	USMPDI-040SC-B-04-06-201103	N SE	11/03/2020 15:50	3	<input type="checkbox"/>	Cyanide Metals (QAPP C-4) SVOCs (QAPP C-4) Total solids (APEX) VOCs (QAPP C-4)	D7511-12 SW6020A SW8270D SM2540G SW8260C	30 30 30 30 30	4°C 4°C 4°C 4°C MeOH
022	USMPDI-040SC-B-06-08-201103	N SE	11/03/2020 15:50	3	<input type="checkbox"/>	Cyanide Metals (QAPP C-4) SVOCs (QAPP C-4) Total solids (APEX) VOCs (QAPP C-4)	D7511-12 SW6020A SW8270D SM2540G SW8260C	30 30 30 30 30	4°C 4°C 4°C 4°C MeOH
023	USMPDI-040SC-B-08-10-201103	N SE	11/03/2020 15:50	3	<input type="checkbox"/>	Cyanide Metals (QAPP C-4) SVOCs (QAPP C-4) Total solids (APEX) VOCs (QAPP C-4)	D7511-12 SW6020A SW8270D SM2540G SW8260C	30 30 30 30 30	4°C 4°C 4°C 4°C MeOH

Signature **Signature** **Signature**

Print Name **Print Name** **Print Name**

Company **Company** **Company**

Date/Time **Date/Time** **Date/Time**

Date Printed: 11/3/2020

*Lab QC Requested for sample when box is checked ** TAT = Turn-Around Time in DAYS # POC = Project Point of Contact

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Apex Laboratories

Darwin Thomas, Business Development Director

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ANALYTICAL REPORT

AMENDED REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062

Anchor QEA, LLC Project: **US Moorings – C2, C3, C4**
6720 SW Macadam Ave. Suite 125 Project Number: [none]
Portland, OR 97219 Project Manager: **Delaney Peterson** **Report ID:**
A0K0167 - 08 16 21 1242

ENVIRONMENTAL SAMPLE CHAIN OF CUSTODY

ANCHOR QEA LLC
1201 1st Avenue, Suite 2600, Seattle, WA 98101

A0K0167

COC ID: APEX-20201103-171958
Sample Custodian: CO
Lab: Apex

POC: * Delaney Peterson (360-715-2707) Project: GascoSilttronic: US Moorings
1605 Cornwall Avenue, Bellingham, WA 98225 Client: NW Natural

COC Sample Number	Field Sample ID	Sample Type	Matrix	Collected Date	Time	Lab #	Containers	QC	Test Request	Method	TAT**	Preservative
023	USMPDI-046SC-B-08-10-201103	N	SE	11/03/2020	15:50	3		<input type="checkbox"/>	Cyanide Metals (QAPP C-4) SVOCs (QAPP C-4) Total solids (APEX) VOCs (QAPP C-4)	D7511-12 SW6020A SW8270D SMZ540G SW8260C	30	4°C
024	USMPDI-046SC-B-10-12-201103	N	SE	11/03/2020	15:50	4		<input type="checkbox"/>	Cyanide TOC LR Pesticides (QAPP C-2, C-3, and C-4) Metals (QAPP C-4) PCB Aroclors SVOCs (QAPP C-4) Total solids (APEX) VOCs (QAPP C-4)	D7511-12 SM5310B SW8081B SW6020A SW8082A SW8270D SMZ540G SW8260C	30	4°C
025	USMPDI-046SC-B-12-14-201103	N	SE	11/03/2020	15:50	4		<input type="checkbox"/>	Cyanide TOC LR Pesticides (QAPP C-2, C-3, and C-4) Metals (QAPP C-4) PAH PCB Aroclors	D7511-12 SM5310B SW8081B SW6020A SW8270E SW8082A	30	4°C

Comment:

Requested By	Signature	Print Name	Company	Date/Time	Requested By	Signature	Print Name	Company	Date/Time
Delaney Peterson		Delaney Peterson	Anchor QEA	11/17/20 10:05	Delaney Peterson		Delaney Peterson	Anchor QEA	11/17/20 10:15

Date Printed: 11/13/2020

* Lab QC Requested for sample when box is checked ** TAT = Turn Around Time in DAYS # POC = Project Point of Contact

Page 8 of 13

Apex Laboratories

Darwin Thomas, Business Development Director

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ANALYTICAL REPORT

AMENDED REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062

Anchor QEA, LLC 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: US Moorings – C2, C3, C4 Project Number: [none] Project Manager: Delaney Peterson	Report ID: A0K0167 - 08 16 21 1242
--------------------------------------------------------------------------------	----------------------------------------------------------------------------------------------------------------	-----------------------------------------------------

Anchor QEA
1301 3rd Avenue, Suite 200, Seattle, WA 98101

POC: * Delaney Peterson (360-715-2707)
1605 Cornwell Avenue, Bellingham, WA 98225

Project: Gasco/Siltronic: US Moorings
Client: NW Natural

ENVIRONMENTAL SAMPLE CHAIN OF CUSTODY

COC ID: APEX-20201103-171958
Sample Custodian: CO
Lab: Apex

POC Signature: *[Signature]*
Print Name: C. O'Brien
Company: APEX
Date/Time: 11/17/20 15:05

CCC Sample Number	Field Sample ID	Sample Type	Matrix	Collected Date	Time	Containers	Lab # GC*	Test Request	Method	TAT**	Preservative
025	USMPDI-048SC-B-12-14-201103	N	SE	11/03/2020	15:50	4	<input type="checkbox"/>	SVOCs (QAPP C-4) Total solids (APEX) VOCs (QAPP C-4)	SW8270D SM2540G SW8280C	30	4°C 4°C MSDH
026	USMPDI-1040SC-B-10-12-201103	FD	SE	11/03/2020		4	<input type="checkbox"/>	Cyanide TOC LR Pesticides (QAPP C-2, C-3, and C-4) Metals (QAPP C-4) PCB Aroclors SVOCs (QAPP C-4) Total solids (APEX) VOCs (QAPP C-4)	D7511-12 SM5310B SM6081B SM6020A SM6082A SW8270D SM2540G SW8280C	30 30 30 30 30 30 30	4°C 4°C 4°C 4°C 4°C 4°C MSDH
027	USMPDI-048SC-A-12-13-201103	N	SE	11/03/2020	13:30	1	<input type="checkbox"/>	TOC LR Pesticides (QAPP C-2, C-3, and C-4) PCB Aroclors Total solids (APEX)	SM5310B SM6081B SM6082A SM2540G	30 30 30 30	4°C 4°C 4°C 4°C
028	USMPDI-048SC-A-13-14-201103	N	SE	11/03/2020	13:30	1	<input type="checkbox"/>	TOC LR Pesticides (QAPP C-2, C-3, and C-4) PAH	SM5310B SM6081B SM6270E	30 30 30	4°C 4°C 4°C

Signature: *[Signature]* **Signature:** *[Signature]*
Print Name: C. O'Brien **Print Name:** [Blank]
Company: APEX **Company:** [Blank]
Date/Time: 11/17/20 15:05 **Date/Time:** [Blank]

Date Printed: 11/13/2020 **Page 9 of 13**

* Lab OC Requested for sample when box is checked ** TAT = Turn Around Time in DAYS # POC = Project Point of Contact

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[Signature]

Darwin Thomas, Business Development Director

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ANALYTICAL REPORT

AMENDED REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062

Anchor QEA, LLC Project: **US Moorings – C2, C3, C4**
6720 SW Macadam Ave. Suite 125 Project Number: [none]
Portland, OR 97219 Project Manager: **Delaney Peterson** **Report ID:**
A0K0167 - 08 16 21 1242

ENVIRONMENTAL SAMPLE CHAIN OF CUSTODY

Anchor QEA
1301 3rd Avenue, Suite 2600, Seattle, WA 98101

POC: **Delaney Peterson (360-715-2707)** Project: **Gasco/Siltronic: US Moorings**
1605 Cornwell Avenue, Bellingham, WA 98225 Client: **NW Natural**

COC ID: **APEX-20201103-171958**
Sample Custodian: **CO**
Lab: **Apex**

A0K0167

COC Sample Number	Field Sample ID	Sample Type	Matrix	Collected Date	Time	Containers	Lab #	OC*	Test Request	Method	TAT**	Preservative
028	USMPDI-046SC-A-13-14-201103	N	SE	11/03/2020	13:30	1		<input type="checkbox"/>	PCB Aroclors	SW8082A	30	4°C
									Total solids (APEX)	SM2540G	30	4°C
029	USMPDI-046SC-A-14-15-201103	N	SE	11/03/2020	13:30	1		<input type="checkbox"/>	TOC	SM5310B	30	4°C
									LR Pesticides (QAPP C-2, C-3, and C-4)	SW8081B	30	4°C
									PAH	SW8270E	30	4°C
									PCB Aroclors	SW8082A	30	4°C
									Total solids (APEX)	SM2540G	30	4°C
030	USMPDI-046SC-A-15-16-201103	N	SE	11/03/2020	13:30	2		<input checked="" type="checkbox"/>	TOC	SM5310B	30	4°C
									LR Pesticides (QAPP C-2, C-3, and C-4)	SW8081B	30	4°C
									PAH	SW8270E	30	4°C
									PCB Aroclors	SW8082A	30	4°C
									Total solids (APEX)	SM2540G	30	4°C
031	USMPDI-046SC-B-00-02-201103	N	SE	11/03/2020	12:45	4		<input type="checkbox"/>	Cyanide	D7511-12	30	4°C
									TOC	SM5310B	30	4°C
									LR Pesticides (QAPP C-2, C-3, and C-4)	SW8081B	30	4°C
									Metals (QAPP C-4)	SW6020A	30	4°C
									PAH	SW8270E	30	4°C
									PCB Aroclors	SW8082A	30	4°C

Comment:

Requested By	Signature	Print Name	Company	Date/Time	Requested By	Signature	Print Name	Company	Date/Time
Delaney Peterson		DELANEY PETERSON	APEX	11/17/20	Delaney Peterson		DELANEY PETERSON	APEX	11/17/20
Delaney Peterson		DELANEY PETERSON	APEX	11/17/20	Delaney Peterson		DELANEY PETERSON	APEX	11/17/20

Date Printed: 11/19/2020

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Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062

Anchor QEA, LLC 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: US Moorings – C2, C3, C4 Project Number: [none] Project Manager: Delaney Peterson	Report ID: A0K0167 - 08 16 21 1242
--------------------------------------------------------------------------------	----------------------------------------------------------------------------------------------------------------	----------------------------------------------

ANCHOR QEA LLC
1201 3rd Avenue, Suite 2600, Seattle, WA 98101

POC: Delaney Peterson (360-715-2707)
1605 Cornwell Avenue, Bellingham, WA 98225

ENVIRONMENTAL SAMPLE CHAIN OF CUSTODY

Project: Gasco/Siltronic: US Moorings
Client: NW Natural

COC ID: **A0K0167**
APEX-20201103-171958

Sample Custodian: **CO**
Lab: **Apex**

COC Sample Number	Field Sample ID	Sample Type	Matrix	Collected Date	Time	Containers	Lab OC*	Test Request	Method	TAT**	Preservative
031	USMPDI-0485C-B-00-02-201103	N	SE	11/03/2020	12:45	4	<input type="checkbox"/>	SVOCs (QAPP C-4) Total solids (APEX) VOCs (QAPP C-4)	SW8270D SM2540G SW8260C	30 30 30	4°C 4°C MeOH
032	USMPDI-0485C-B-02-04-201103	N	SE	11/03/2020	12:45	10	<input checked="" type="checkbox"/>	Cyanide TOC LR Pesticides (QAPP C-2, C-3, and C-4) Metals (QAPP C-4) PCB Aroclors SVOCs (QAPP C-4) Total solids (APEX) VOCs (QAPP C-4)	D7511-12 SM5310B SW8081B SW6020A SW8082A SW8270D SM2540G SW8260C	30 30 30 30 30 30 30 30	4°C 4°C 4°C 4°C 4°C 4°C MeOH
033	USMPDI-0485C-B-04-06-201103	N	SE	11/03/2020	12:45	4	<input type="checkbox"/>	Cyanide TOC LR Pesticides (QAPP C-2, C-3, and C-4) Metals (QAPP C-4) PCB Aroclors SVOCs (QAPP C-4) Total solids (APEX) VOCs (QAPP C-4)	D7511-12 SM5310B SW8081B SW6020A SW8082A SW8270D SM2540G SW8260C	30 30 30 30 30 30 30	4°C 4°C 4°C 4°C 4°C 4°C MeOH

Comment:

Received By: <i>[Signature]</i>	Signature	Print Name	Company	Date/Time
Relinquished By: <i>[Signature]</i>	Signature	Print Name	Company	Date/Time

Date Printed: 11/3/2020

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Darwin Thomas, Business Development Director



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6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062

Anchor QEA, LLC 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: US Moorings – C2, C3, C4 Project Number: [none] Project Manager: Delaney Peterson	Report ID: A0K0167 - 08 16 21 1242
--------------------------------------------------------------------------------	----------------------------------------------------------------------------------------------------------------	-----------------------------------------------------

Anchor QEA
1201 3rd Avenue, Suite 2600, Seattle, WA 98101

POC: Delaney Peterson (360-715-2707)
1805 Cornwell Avenue, Bellingham, WA 98225

ENVIRONMENTAL SAMPLE CHAIN OF CUSTODY

Project: GascoSiltionic: US Moorings
Client: NW Natural

A0K0167
APEX-20201103-171958

COC ID: APEX
Sample Custodian: CO
Lab: Apex

COC Sample Number	Field Sample ID	Sample Type	Matrix	Collected Date	Time	Containers #	Lab QC	Test Request	Method	TAI**	Preservative
034	USMPDI-0485C-B-06-08-201103	N	SE	11/03/2020	12:45	4	<input type="checkbox"/>	Cyanide TOC LR Pesticides (QAPP C-2, C-3, and C-4) Metals (QAPP C-4) PCB Aroclors SVOCs (QAPP C-4) Total solids (APEX) VOCs (QAPP C-4)	D7511-12 SM6310B SW8081B SW6020A SW8082A SW8270D SM2540G SW8260C	30 30 30 30 30 30 30 30	4°C 4°C 4°C 4°C 4°C 4°C 4°C MeOH
035	USMPDI-0485C-B-08-10-201103	N	SE	11/03/2020	12:45	4	<input type="checkbox"/>	Cyanide TOC LR Pesticides (QAPP C-2, C-3, and C-4) Metals (QAPP C-4) PCB Aroclors SVOCs (QAPP C-4) Total solids (APEX) VOCs (QAPP C-4)	D7511-12 SM6310B SW8081B SW6020A SW8082A SW8270D SM2540G SW8260C	30 30 30 30 30 30 30 30	4°C 4°C 4°C 4°C 4°C 4°C 4°C MeOH
036	USMPDI-0485C-B-10-12-201103	N	SE	11/03/2020	12:45	4	<input type="checkbox"/>	Cyanide TOC LR Pesticides (QAPP C-2, C-3, and C-4)	D7511-12 SM6310B SW8081B	30 30 30	4°C 4°C 4°C

Comments:

Requested By: <i>[Signature]</i>	Requested By: <i>[Signature]</i>	Requested By: <i>[Signature]</i>	Requested By: <i>[Signature]</i>
Signature: <i>[Signature]</i>	Signature: <i>[Signature]</i>	Signature: <i>[Signature]</i>	Signature: <i>[Signature]</i>
Print Name: C. OKFIRE	Print Name: <i>[Signature]</i>	Print Name: <i>[Signature]</i>	Print Name: <i>[Signature]</i>
Company: ASEA	Company: APEX	Company: APEX	Company: APEX
Date/Time: 11/17/20 18:05	Date/Time: 11/17/20 10:15	Date/Time: 11/17/20 10:15	Date/Time: 11/17/20 10:15

Date Printed: 11/3/2020

*Lab QC Requested for sample when box is checked ** TAI = Turn Around Time in DAYS # POC = Project Point of Contact

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Darwin Thomas, Business Development Director



ANALYTICAL REPORT

AMENDED REPORT

Apex Laboratories, LLC

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503-718-2323
ORELAP ID: OR100062

Anchor QEA, LLC Project: **US Moorings -- C2, C3, C4**
 6720 SW Macadam Ave. Suite 125 Project Number: [none]
 Portland, OR 97219 Project Manager: **Delaney Peterson** **Report ID:**
A0K0167 - 08 16 21 1242

ENVIRONMENTAL SAMPLE CHAIN OF CUSTODY

POC: * Delaney Peterson (360-715-2707) Project: Gasco/Siltronic: US Moorings
 1605 Cornwall Avenue, Bellingham, WA 98225 Client: NW Natural
 COC ID: APEX-20201103-171958
 Sample Custodian: CO
 Lab: Apex

COC Sample Number	Field Sample ID	Sample Type	Matrix	Collected Date	Time	Containers #	Lab #	OC*	Test Request	Method	TAT**	Preservative
036	USMPDI-048SC-B-10-12-201103	N	SE	11/03/2020	12:45	4		<input type="checkbox"/>	Metals (QAPP C-4) PCB Aroclors SVOCs (QAPP C-4) Total solids (APEX) VOCs (QAPP C-4)	SW6020A SW6082A SW8270D SM2540G SW8260C	30 30 30 30 30	4°C 4°C 4°C 4°C MeOH
037	USMPDI-048SC-B-12-14-201103	N	SE	11/03/2020	12:45	3		<input type="checkbox"/>	Cyanide Metals (QAPP C-4) SVOCs (QAPP C-4) Total solids (APEX) VOCs (QAPP C-4)	D7511-12 SW6020A SW8270D SM2540G SW8260C	30 30 30 30 30	4°C 4°C 4°C 4°C MeOH
038	USMPDI-048SC-B-14-16-201103	N	SE	11/03/2020	12:45	3		<input type="checkbox"/>	Cyanide Metals (QAPP C-4) SVOCs (QAPP C-4) Total solids (APEX) VOCs (QAPP C-4)	D7511-12 SW6020A SW8270D SM2540G SW8260C	30 30 30 30 30	4°C 4°C 4°C 4°C MeOH

Received By:	Subsampled By:	Reanalyzed By:
<i>[Signature]</i> Signature	<i>[Signature]</i> Signature	<i>[Signature]</i> Signature
C. W. KERRICK Print Name	BA. DRYWEL Print Name	 Print Name
APEX Company	APEX Company	 Company
11/14/20 1605 Date/Time	11/14/20 1015 Date/Time	 Date/Time

Date Printed: 11/13/2020

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ORELAP ID: OR100062

Anchor QEA, LLC
6720 SW Macadam Ave. Suite 125
Portland, OR 97219
Project: US Moorings -- C2, C3, C4
Project Number: [none]
Project Manager: Delaney Peterson
Report ID: A0K0167 - 08 16 21 1242

APEX LABS COOLER RECEIPT FORM

Client: Anchor QEA Element WO#: A0 Y0167
Project/Project #: Gasco Si Honic: US Moorings APEX-20201103-171958

Delivery Info:

Date/time received: 11/2/20 @ 1015 By: EJ
Delivered by: Apex X Client ESS FedEx UPS Swift Senvoy SDS Other

Cooler Inspection Date/time inspected: 11/2/20 @ 1110 By: EJ

Chain of Custody included? Yes X No Custody seals? Yes X No

Signed/dated by client? Yes X No

Signed/dated by Apex? Yes X No

Cooler #1 Cooler #2 Cooler #3 Cooler #4 Cooler #5 Cooler #6 Cooler #7

Temperature (°C) 1.4 1.3 0.7 0.6

Received on ice? (Y/N) Y Y Y Y

Temp. blanks? (Y/N) Y Y Y Y

Ice type: (Gel/Real/Other) Real Real Real Real

Condition: Good Good Good Good

Cooler out of temp? (Y/N) Possible reason why:
If some coolers are in temp and some out, were green dots applied to out of temperature samples? Yes/No(NA)

Out of temperature samples form initiated? Yes/No(NA)

Samples Inspection: Date/time inspected: 11/5/20 @ 900 By: 81

All samples intact? Yes X No Comments: @ 11/5/20

Bottle labels/COCs agree? Yes X No X Comments: No Ton CoC USMPDI-1040SC-A-08

-09-201103, containers read T of 1630, no Ton CoC USMPDI-1040SC-B-10-12-2013 * @ 11/5

COC/container discrepancies form initiated? Yes No X

Containers/volumes received appropriate for analysis? Yes X No Comments:

Do VOA vials have visible headspace? Yes No X NA

Comments:

Water samples: pH checked: Yes No NA X pH appropriate? Yes No NA X

Comments:

Additional information: TB# 24163 * containers read T of 1550 + 2/2 VOAs read USMPDI-040SC-B-10-12-2013

Labeled by: Witness: Cooler Inspected by: See Project Contact Form: Y

Handwritten signatures and initials for Labeled by, Witness, Cooler Inspected by, and See Project Contact Form.

Handwritten signature of Darwin Thomas